





Digitized by the Internet Archive  
in 2014

<https://archive.org/details/b19974760M1796>



TELEPHONE NUMBER:  
BANK 852 (two lines).

**Established in  
ENGLAND, 1859.]**

Registered as a Newspaper.

Published Weekly at 42 CANNON STREET,  
LONDON, E.C.

TELEGRAPHIC ADDRESS:  
"CHEMICUS CANNON LONDON."

**Established in  
[AUSTRALASIA, 1885.]**

No. 1,715. Vol. LXXXI.

DECEMBER 7, 1912.

{ Subscription, 10s. per annum, including Diary.  
Free the world over. Single Copies, 6d. each.  
Winter and Summer Issues, 1s. each. Post Free.



P.A.T.A.  
1/- & 2/-

# Boval (TRADE MARK.) Floor Gloss

Stocked by  
the leading  
Wholesale  
Houses.

For preparing Ballroom Floors, &c.

Proprietors: James Woolley, Sons & Co., Ltd., Manchester.

INDENTS THROUGH  
BRITISH SHIPPERS.

## 'PANOPEPTON'

**BEEF & WHEAT**  
predigested and preserved in a  
sound sherry.

## 'LAIBOSE'

A DRY FOOD.

Composed of the solids of  
**MILK and WHEAT.**

Requires no cooking; simply  
the addition of hot water.

Supplied in  $\frac{1}{2}$ -lb. tins at 24/-  
and 2-lb. tins at 80/- per  
dozen, Subject.

Both these food products are sus-  
taining, palatable and acceptable  
to the delicate stomach.

Made by  
**FAIRCHILD BROS. & FOSTER**  
NEW YORK.

Agents:  
**BURROUGHS WELLCOME & CO.**  
London, Sydney, Cape Town.

## SQUIRE'S WINTER SPECIALITIES.

### TERPEROIN ELIXIR

„ and CODEINE „  
„ PASTILLES.

### GLYCERO-TERPEROIN.

### CINNAMAL.

„ with QUININE.

### CINNAMINT TABS.

### CORISOL

„ INHALANT.  
„ POWDER.

### MENTOPIN.

„ INHALER.

### RESPIRATOR (Burney Yeo's).

Write to SQUIRE & SONS, 413 OXFORD  
STREET, LONDON, W., for descriptive  
Leaflets, and PRICE LIST.

## Allens

HAVE

### SKILLED MILLERS

AND

### SUITABLE MILLS

FOR

### EVERY DRUG

IN THE

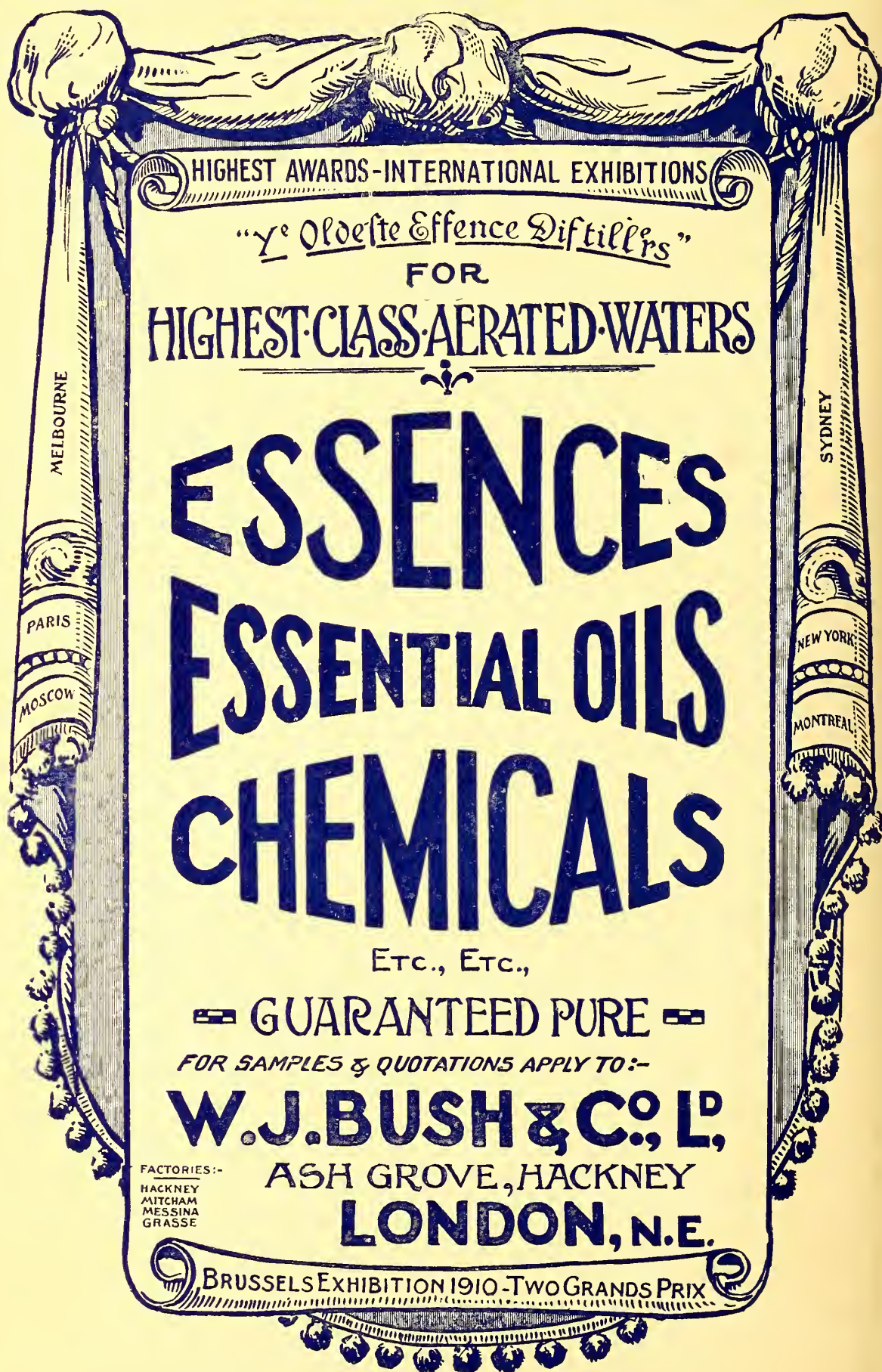
### PHARMACOPŒIA.

**STAFFORD ALLEN & SONS,**  
LIMITED.

Established in 1833

AT  
Cowper Street,  
LONDON, E.C.





HIGHEST AWARDS-INTERNATIONAL EXHIBITIONS

*"L'Oldeste Effence Distillers"*

FOR

HIGHEST-CLASS AERATED WATERS

**ESSENCES**

**ESSENTIAL OILS**

**CHEMICALS**

ETC., ETC.,

— GUARANTEED PURE —

FOR SAMPLES & QUOTATIONS APPLY TO:-

**W.J. BUSH & CO., L<sup>D</sup>**

ASH GROVE, HACKNEY

**LONDON, N.E.**

BRUSSELS EXHIBITION 1910-TWO GRANDS PRIX

FACTORIES:-  
HACKNEY  
MITCHAM  
MESSINA  
GRASSE



# MINTPINE



A Concentrated Cough Mixture  
bearing YOUR Name and Address.



**MAKE THIS  
YOUR PATENT.**



There is a steady increasing demand from the public for a concentrated Cough Mixture. The public LIKE to make their own.

Smartly packed and beautifully labelled. Far superior to any similar preparations on the market. Full directions on the bottle.

Retail 1/- per bottle.  
Wholesale 5/6 per doz.

This preparation does not affect the sale of ordinary Cough Mixtures.



**Arthur H. Cox & Co., Ltd.**  
**Manufacturing Chemists, Brighton.**

Telephone: LONDON WALL, 9057.

ESTABLISHED 1826.

Telegrams: "JOSIPHIAH LONDON."

# Philip Josephs & Sons, Ltd.,

COMPLETE SHOP FITTERS, 93 OLD ST., LONDON, E.C.

*Illustrated Catalogue and Price List post free on application.*



No. 210.

## Mahogany and Plate Glass as illustrated, all Mirror backs to cases.

Our 1912 Design for Serving Counter and Showcases combined: comprising 2 mahogany plate-glass Showcases 3 ft. long by 5 ft. 6 in. high. Plate-glass mirror backs and plate-glass shelves, all glass Serving Counter with mirror ends and opening at back with mirror doors—Interior fitted with 2 rows of polished edge plate-glass shelves on standard bar and adjustable brackets. End showcases fitted with drawers at back, desk slope and wrapping shelves.

8 ft. long, complete	£29 0 0	12 ft. long, complete	£36 10 0	Other sizes to order.
10 ft. " "	31 10 0	14 ft. " "	42 0 0	
11 ft. " "	34 0 0	16 ft. " "	47 10 0	

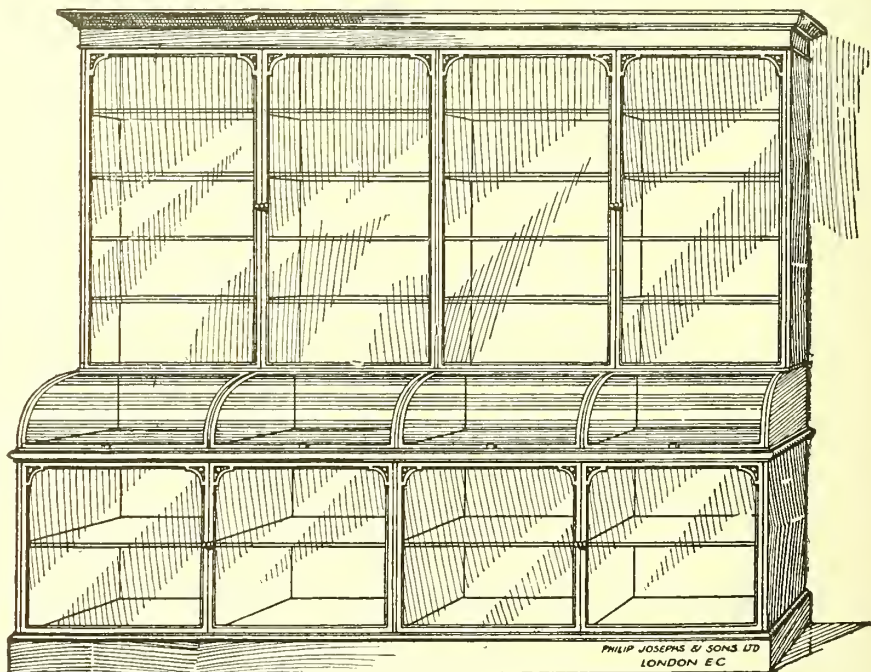
## WALL CASE.

No. 79.

### SPECIFICATION.

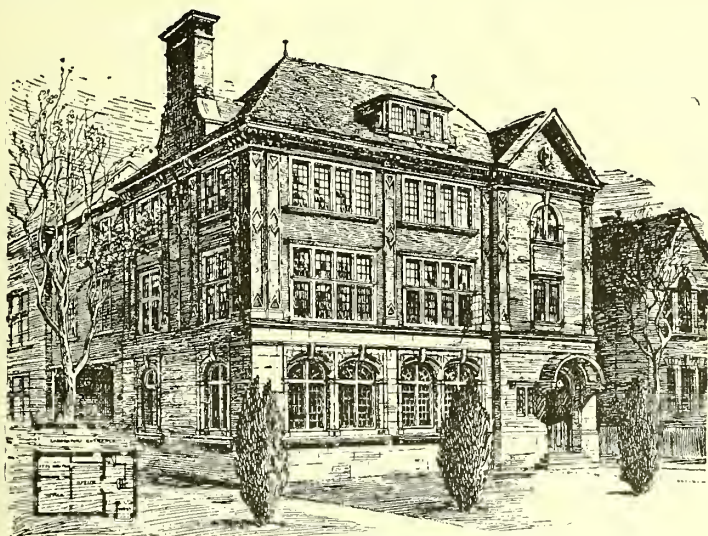
Constructed of solid Mahogany, with cases in three heights. The upper and lower cases are glazed with selected 21-oz. glass, and fitted inside with adjustable polished edge wood shelves. The bent centre case opens with lift-up plate glass falls, and is lined with silvered plate glass at back.

4 ft. long × 9 ft. high	£10 17 6
5 ft. " "	12 15 0
6 ft. " "	14 15 0
7 ft. " "	17 0 0
8 ft. " "	19 10 0
10 ft. " "	22 10 0
12 ft. " "	25 0 0
14 ft. " "	30 10 0



No. 79.





VIBRONA LABORATORIES.

*Reproduced from the original drawing in the Royal Academy, 1910.*



# Vibrona

**THE IDEAL TONIC WINE.**

**VIBRONA** is now in universal demand and every Chemist holding a wine licence can secure a rapid and profitable turnover by keeping **VIBRONA** well to the front.

The following are our fixed Minimum Wholesale Prices and terms for

**GREAT BRITAIN.**

CASES containing 1 dozen, 36/- per case net, carriage *forward*.

Two CASES each containing 1-dozen, 36/- per case net, Carriage *paid*.

CASES containing 3 dozen. £5 5s. per case net, carriage paid.

FIVE CASES (15 dozen)—2½ per cent. discount and carriage paid.

TWELVE CASES (36 dozen)—5 per cent. discount and carriage paid.

*VIBRONA is on the P.A.T.A. List.*

*The Minimum Retail Price is 3/9 per bottle.*

It will be seen that the profit on a single case of 3-doz. **VIBRONA** is **£1 10s.**, and if advantage be taken of our maximum discount of 5 per cent. for twelve cases, the profit realised on the sale amounts to **over £21**. Some Chemists get through the latter quantity several times during the year, and there are few who cannot sell one case per month.

Terms for Export, with Special c.i.f. Rates to any port in the world, may be obtained on application to the Sole Proprietors, **FLETCHER, FLETCHER & CO., Ltd.**, Holloway, LONDON, N.



**WE ARE**

**“Cook’s”**

**LONDON**



**THE SOAP SPECIALISTS**

**MAY WE SPECIALISE  
FOR YOU?**

Let us prepare you a smart saleable SOAP LINE bearing your name, wrapped in an artistic wrapper and box also bearing your name.

We have an assortment of over 100 PERFUMES for you to choose from and an enormous variety of moulds and wrappers.

*SEND US A POSTCARD AND STATE YOUR REQUIREMENTS.*

**EDWARD COOK & CO., LTD.,** The Soap Specialists,  
BOW, LONDON, E.



# INDEX TO ADVERTISEMENTS IN THIS ISSUE.

HEAD OFFICE: 42 Cannon Street, London, E.C. Telegraphic Address: "CHEMICOUS CANNON LONDON." Telephone No. 852, Bank.  
BRANCH OFFICES: MELBOURNE, SYDNEY, AND ADELAIDE, AUSTRALIA.

The Arabic numerals (1 to 34) in this Index refer to Advertisements in front of the literary pages; the Advertisements following the literary pages are numbered in Roman numerals (i to xxiv)

Page	Page	Page	Page
Alexandre, L. ....xxi	Danyez Virus, Ltd. ....xvi	Kershaw, H. E., Ltd. ....iv	Preston's Liverpool Distillery
Alcock's Plasters ....xiv	Darter, Wilkinson & Co. ....26	Kingsley & Thackeray Hotels 12	Co., Ltd. ....22
Allen, Stafford, & Sons, Ltd. ....	Darton, F., & Co. ....19	Kirby, Fairbank .....17	Price's Patent Candle Co., Ltd. 24
<i>Cover</i>			
Alliance Drug & Chemical Co. xiii	Davis, J. M., & Sons ....xv	Knight, W. ....Col. Supp.	Robinson & Sons, Ltd. ....xxii, 29
Allison, J. R. B. ....Col. Supp.	Day & Sons (Grewe), Ltd. ....xvii	Koh-i-Noor Tooth-brushes ....26	Rudduck & Co. ....Col. Supp.
Anglo-Indian Drug & Chem. Co.vii	Denoual, Jules & Co. ....xx	Kopp & Joseph .....24	Sangers .....16
Aplin & Barrett, Ltd. ....28	Edwards, W., & Son .....22	Lennon, Ltd. ....iv	Sanitas Co., Ltd. ....Text 854
Asche, O. F., & Co. ....xvii	Ellison, H., Ltd. ....xx	Leslies, Ltd. ....xxii	Scholl, C., Manfg. Co., Ltd. ....xx
Ashton & Parsons, Ltd. ....xxiii	Evans Sons Leecher & Webb, Ltd. ....20, 29	Levermore, A., & Co., Ltd. ....xx	Schutze, F., & Co., Ltd. ....xx
Bailey, W. H., & Son, Ltd. ....xv	Exchange Column ....Col. Supp.	Liverpool Tin Canister Co., Ltd. 14	Scrubb & Co., Ltd. ....26
Baker, Parsons C. ....Col. Supp.	Expreses Developing Co. ....19	Lofthouse & Saltmer .....28	Shirley Bros., Ltd. ....xx, xxi
Barnetts Perfumery, Ltd. ....26	Fairchild Bros. & Foster ....Cover	London College .....18	Shoppee, Albert C. ....21
Beatsome, Clark & Co., Ltd. ....vi	Farina, J. M., No. 4 .....25	McAdam & Tuckniss ....Col. Supp.	Singleton & Cole, Ltd. ....xxi
Benzoate of Soda .....iv	Farmer, F., & Co. ....xxi	Macfarlan, J. F., & Co. ....v	Slack, B. ....Col. Supp.
Berdoo & Fish ....Col. Supp.	Paulding, F. H., & Co. ....xvi	McQueen, J., & Co. ....Col. Supp.	South of England College ....18
Bishop, A., Ltd. ....i	Pentimian, A. G. ....xxi	Margoual Co. ....24	Spatula Publishing Co. ....18
Blythe, W., & Co., Ltd. ....xxi	Ferrie & Co., Ltd. ....xvi	Martindale, W. ....Text 854	Squire & Sons ....Cover
Brett & Co. ....Col. Supp.	Fickus, Courtenay & Co., Ltd. 25	Matthew, D. ....Col. Supp.	Standard Tablet & Pill Co., Ltd. ....Cover
Bristol-Myers Co. ....vi	Fink, F., & Co. ....xx	Maw, S., Son & Sons .....11	Suttley & Silverlock, Ltd. ....13
British Drug Houses, Ltd., The 32	Fletcher, Fletcher & Co., Ltd. ....3 & Text 854	May, Roberts & Co., Ltd. ....Cover	Taylor, W. G. ....xxii
Bromley, A. W. ....Col. Supp.	Ford, Shapland & Co. ....12	Mergentheim Tablets .....xi	Timpson, J., & Co., Ltd. ....xiv
Bronnley, H., & Co., Ltd. ....v	Freeman's Chlorodyne .....17	Millard Bros., Ltd. ....xxviii	Tomlinson, T., & Son Col. Supp.
Brook, Parker & Co., Ltd. ....xi	Fulham Pottery & Cheavin .....17	Mitchell, N. W., & Sons, Ltd. ....xiv	Townsend, J., & Sons .....13
Brunner, Mond & Co., Ltd. ....ii	Filter Co., Ltd. ....xvi	Naef, M., & Co. Sucers. ....25	Tye, J., & Son .....xx
Buncher & Haseler, Ltd. ....xx	Galen Manfg. Co. ....xx	National Cash Register Co., Ltd. ....13, 15	Ucal .....22
Burge, Warren & Ridgley, Ltd. ....xiv	Gardner, W., & Sons .....21	Natural Food Co., Ltd. ....xxviii	Urillae Manfg. Co. ....xli
Burgoyne, Burbidges & Co. ....23	Garthwaite, H. ....xxi	Newball & Mason .....28	Valda Pastilles .....xxiv
Burrough, J., Ltd. ....Text 854	General Electric Co., Ltd. ....17	Newnam, Browne & Co. ....xx	Van Abbott, G., & Sons .....xx
Burroughs Wellcome & Co. ....31	Halder, E. C. ....xxii	North of England School .....18	Van Horn & Sawtell .....xxi
Bush, W. J., & Co., Ltd. ....Cover	Harker, C. R., Stagg & Morgan, Ltd. ....24	Northern College of Pharmacy 18	Viscose Development Co., Ltd. xviii
Cabellene .....xxi	Harley, T. ....xvi	Norwich Crepe (1856), Ltd. ....24	Vittel Water .....xxviii
Cadbury Bros. ....Cover	Haywood, J. H., Ltd. ....xxiii	Oldfield, Pattinson & Co. ....9	Wand Manufacturing Co. ....xi
Cartwright, W. B., Ltd. ....10	Howards & Sons, Ltd. ....iii	Orridge & Co. ....Col. Supp.	Ward & Goldstone .....14
Central News, Ltd. ....12	Hubbuck, T., & Son, Ltd. ....xvii	Owbridge, W. T., Ltd. ....xxi	Wardale, F. C., & Co. ....xxi
Charity, W., & Sons .....vii	Huntley, Boorne & Stevens, Ltd. ....12	Papier Poudré, Ltd. ....xxi	Washington Chemical Co., Ltd. ....Cover
Chemists' Friendly Society ....Col. Supp.	Ichthyol Gesellschaft .....x	Parke, Davis & Co. ....27	West, T., & Son .....26
Christy, T., & Co. ....xxi	Ingram, J. G., & Son .....xv	Parnall & Sons, Ltd. ....21	Whiffen & Sons, Ltd. ....vi
Clark, C. S. ....xxii	Ingram & Royle .....xix	Pearson's Antiseptic Co., Ltd. xvi	Widemann, Broicher & Co. ....vii
Condy & Mitchell, Ltd. ....i	Isaacs, I., & Co. ....xiv	Pharmazeutische Industrie ....xx	Whcox, Jozean & Co. ....Text 854
Cook, E., & Co., Ltd. ....4	Jackson, E. E. ....xxviii	Phillips, Charles H., Chem. Co. ....Text 854	Wolff, F., & Sohn .....25
Cook, Geo. ....21, Col. Supp.	Joseph, Philip, & Sons, Ltd. ....2 & Col. Supp.	Pistel, Ltd. ....x	Wood, V. ....xxv
Cox, Arthur H., & Co., Ltd. ....1	Kay Bros., Ltd. ....14	Pinex Co., Ltd. ....xi	Woolley, J., Sons & Co., Ltd. Cover
Crimson Cross Dispensary ....xx	Kemp & Co. ....xxi	Plucknett, C. J., & Co., Ltd. 19	Wright, A. J., Ltd. ....xxi
Crown Capsule Co. ....xx		Potter & Clarke, Ltd. ....viii	Wright & Co. ....iv
Cyona Co., Ltd. ....xx			Wrigley's, Ltd. ....xii
			X.L. Rubber Co. ....xx

## THE BUYERS' GUIDE.

In this section, under appropriate headings, are given the names of firms advertising in this or other issues of the month. No charge is made to advertisers for the insertion of their names, but only those who have contracts current for advertising in this journal are mentioned. The headings refer generally to the classes of goods actually advertised, but this is not a detailed Guide such as appears in "The Chemists' and Druggists' Diary." Inquiries addressed to the "Information Department," THE CHEMIST AND DRUGGIST, 42 Cannon Street, London, E.C., regarding articles not appearing in these pages receive prompt attention, as shown weekly in the editorial pages.

### ADVERTISING

Allison, J. R. B.  
Degen, F. A.

### AER-WATER MACHINERY

Barnett & Foster  
Flugel & Co.

### AER-WATER MATERIALS

Barnett & Foster  
Bush, W. J., & Co., Ltd.  
Flugel & Co.  
Hay, William, Ltd.  
Stevenson & Howell, Ltd.

### AERATED WATERS

Camwal, Ltd.  
Idris & Co., Ltd.  
Jewsbury & Brown

### AGENCIES, COLONIAL, &c.

Kemp & Co., Ltd.

### AIR CUSHIONS

Burge, Warren & Ridgley, Ltd.  
Surgical Hosiery Co., Ltd.

### ALMANACKS, &c.

Ford, Shapland & Co.

### ALMOND OIL

Allen, Stafford & Sons, Ltd.

### ALUMINIUM BOXES

Buncher & Haseler, Ltd.  
Eley Bros., Ltd.

### ALKALOIDS

Boehringer, O. F., & Soehne  
Boehringer, O. H., Sohn  
Burgoyne, Burbidges & Co.  
Hoffmann-La Roche, Ltd.  
Howards & Sons, Ltd.  
Macfarlan, J. F., & Co.  
Merek, E.  
Roques, Ferdinand  
Smith, T. & H., Ltd.  
Widemann, Broicher & Co.  
Zimmermann, O., & Co.

### AMBULANCE CASES

Maw, S., Son & Sons

### AMMONIA AND SALTS

Brown & Blackburn  
Brunner, Mond & Co., Ltd.  
Scrubb & Co., Ltd.  
White, A., & Sons

### ANÆSTHETICS

Duncan, Flockhart & Co.  
Macfarlan, J. F., & Co.  
Riedel, J. D., Co.  
Smith, T. & H., Ltd.  
Zimmermann, C., & Co.

### NILIN DYES

Crawshaw, E., & Co.

### ANNATTO

Fullwood, R. J., & Bland  
Tomlinson & Hayward, Ltd.

### ANTI-RHEUMATIC RINGS

Burge, Warren & Ridgley, Ltd.

### ANTISEPTICS

Lambert Pharmaceutical Co.  
Macfarlan, J. F., & Co.  
Sanitas Co., Ltd.  
Zimmermann, O., & Co.

### ARTIFICIAL LIMBS

Haywood, J. H., Ltd.  
Maw, S., Son & Sons

### ASTHMA REMEDIES

Lofthouse & Saltmer, Ltd.  
Potter & Clarke  
Zematone Co.

### BACTERIAL VACCINES, &c.

Aiken & Hanbry, Ltd.  
Burroughs Wellcome & Co.  
Duncan, Flockhart & Co.  
Evans Sons Leecher & Webb, Ltd.  
Martindale, W.  
Parke, Davis & Co.

### BALL-ROOM FLOOR POLISH

Evans Sons Leecher & Webb, Ltd.

### BALSAMS

Dodge & Oleott Co.

### BATH GLOVES

Solport Bros.

### BANDAGES

Dalmas, A. de St., & Co.  
Macfarlan, J. F., & Co.  
Maw, S., Son & Sons  
Wood, Vincent

### BATHING CAPS

Maw, S., Son & Sons  
May, Roberts & Co., Ltd.  
Sangers

### BATH CABINETS

Riley Bros., Ltd.

### BED AND DOUCHE PAN

Wileman & Co.

### BEE SWAX

Schliemann's Oil & Ceresine Co.

### BELLADONNA PLASTERS

Timpson, John, & Co., Ltd.

### BINOCULARS

Darton, F., & Co.  
Maw, S., Son & Sons  
Raphael's, Ltd.

### BISMUTH SALTS

Alliance Drug & Chem. Co.  
Burgoyne, Burbidges & Co.  
Howards & Sons, Ltd.  
May & Baker, Ltd.  
Tyrer, T., & Co., Ltd.  
White, A., & Sons



**BODY BELTS**

Haywood, J. H., Ltd.  
Robtson, F., & Co., Ltd.  
Wood, Vincent

**BOOKS AND MAGAZINES**

Elford "Photo Manual"  
Lewis, H. K.  
Martindale's "Extra Phar."  
Spetula Publishing Co.  
Squire's "Companion"  
Squire's "Hospital Pharmaco-poeias"

**BOTANIC DRUGGISTS**

Brook, Parker & Co., Ltd.  
Newball & Mason  
Potter & Clarke, Ltd.

**BOTTLES, JARS, &c., GLASS**

Barnett & Foster  
Beaton, Clark & Co., Ltd.  
Bash, Henry W., & Co., Ltd.  
"Ideal" Bottle  
Isaacs, I., & Co.  
Maw, S., Son & Sons  
Melin, C., & Co.  
"Poisonous" Poison Bottle  
Pothe, H., & Co.  
Swales, Thomas  
Youldon, E., Ltd.

**BOXES**

Ford, Shapland & Co.  
Harrison & Waide  
Robinson & Sons, Ltd.  
Rogers & Co.  
Stipendum Stopper Co.

**BOXES, GREASEPROOF**

Rogers & Co.

**BRUSHES**

Bidwell, Bidwell & Co., Ltd.  
Hovenden, R., & Sons, Ltd.  
Kent, G. B., & Sons, Ltd.  
"Koh-i-Noor" Brushes  
Maw, S., Son & Sons

**BUTTER COLOURING**

Fullwood, R. J., & Bland  
Oldfield, Pattinson & Co.

**CACHETS**

Clark, Cicero S.  
Warrick Brothers

**CACODYLATES**

Rogues, Ferdinand

**CAMPHOR**

Alliance Drug & Chemical Co.  
Howards & Sons, Ltd.  
May & Baker, Ltd.

**CAPS FOR BOTTLES, &c.**

Airtight Capsules Co., Ltd.  
Darter, Wilkinson & Co.  
Smith Bros. & Co.  
Viscose Co. (Self-fixing)

**CAPSULED PILLS**

McKesson & Robbins

**CAPSULES (VARIOUS)**

Airtight Capsules Co., Ltd.  
Allen & Hanburys, Ltd.  
Baiss Bros. & Stevenson, Ltd.  
Bette & Co., Ltd.  
British Drug Houses, Ltd., The  
Crown Capsule Co.  
Davies, Sons & Co.  
Denon, Jiles & Co.  
Duncan, Flockhart & Co.  
Martindale, W.  
Parke, Davis & Co.  
Tye, J., & Son  
Warrick Bros.  
Wigglesworth & Co.  
Woolley, J., Sons & Co., Ltd.

**CARDAMOMS**

Cardamom Cese Committee

**CASH TILLS**

Millard Bros., Ltd.  
National Cash Register Co., Ltd.

**CASTOR OIL**

Sparks, White & Co., Ltd.  
Varaldi, F.

**CATHETERS**

Mason Bros. & Chapman  
Warne, Wm., & Co., Ltd.

**CAUSTIC POINTS**

Pharm. Ind. Ges. Offenbach

**CAUSTIC SODA**

Brunner, Mond & Co., Ltd.

**CEMENTS**

Kay Bros., Ltd.

**CHALK PRECIPITATED**

Levermore, A., & Co., Ltd.  
Mumford, G. S., & Sons  
Nichols Chemical Co., Ltd.  
Sturge, John & E., Ltd.

**CHEMICALS**

Blythe, William & Co., Ltd.  
Boehringer, C. F., & Soehne  
Bramwell, E., & Son  
British Drug Houses, Ltd., The  
Brunner, Mond & Co., Ltd.  
Burgoyne, Burbidges & Co.  
Burroughs Wellcome & Co.  
Corbyn, Stacey & Co., Ltd.  
Electrolytic Alkali Co., Ltd.  
Evans Sons Lescher & Webb, Ltd.  
Harrington Bros., Ltd.  
Hoffmann-La Roche Chem. Wks., Ltd.  
Howards & Sons, Ltd.  
Johnson & Sons (Mfg. Chts.)  
Knoll & Co.  
May & Baker, Ltd.  
Merek, E.  
Pointet & Girard  
Sturge, John & E., Ltd.  
Tyrer, T., & Co., Ltd.  
Washington Chemical Co., Ltd.  
White, A., & Sons  
Widenmann, Broicher & Co.  
Zimmermann, A. & M.

**CHEST AND LUNG****PROTECTORS**

Cuxson, Gerrard & Co., Ltd.

**CHEWING GUM**

Tutti-Frutti Sen-Sen Co., Ltd.  
Wrigley's, Ltd.

**CHLORIDE OF LIME**

Brunner, Mond & Co., Ltd.  
Electrolytic Alkali Co., Ltd.  
United Alkali Co., Ltd.

**CHLORODYNE**

Davenport, J. T., Ltd.  
Freeman's Chlorodyne, Ltd.

**CHLOROFORM**

Alliance Drug & Chem. Co.  
Burroughs Wellcome & Co.  
Bush, W. J., & Co., Ltd.  
Duncan, Flockhart & Co.  
Macfarlan, J. F., & Co.  
May & Baker, Ltd.  
Smith, T. & H., Ltd.

**CIGARS AND CIGARETTES**

Singleton & Cole, Ltd.

**CITRIC ACID AND CITRATES**

British Drug Houses, Ltd., The  
Burgoyne, Burbidges & Co.  
Howards & Sons, Ltd.  
Sturge, John & E., Ltd.

**CLINICAL THERMOMETERS**

Burge, Warren & Ridgley, Ltd.  
Maw, S., Son & Sons  
Perken, Son & Co., Ltd.  
Powell, J. T., & Co.  
Raphan's, Ltd.  
Zeal, W. H.

**CLIPS**

Reuter, R. J.

**CLOTH BALLS**

Senier, Alf., & Co.  
Zetta, O'Neil, & Co.

**COAL TAR SPECIALITIES**

Wright, Layman & Umney, Ltd.

**COCA**

Cadbury Bros., Ltd.

**COD LIVER OIL**

British Drug Houses, Ltd., The  
Charity, W., & Sons  
Evans Sons Lescher & Webb, Ltd.  
Lorimer Marshall, Ltd.  
Möller, Peter, Ltd.  
Sparks, White & Co., Ltd.  
Wright, Layman & Umney, Ltd.

**COLD CREAM**

Barnetts Perfumery, Ltd.

**COLLAPSIBLE TUBES**

Bette & Co.

**COMBS**

Hovenden, R., & Sons, Ltd.

Reuter, R. J.

**COMPLEXION SPECIALITIES**

Rubinstein, Madame H.

**CONDENSERS**

Bennett, Sons & Shears, Ltd.

**CONFECTIONERY COLOURS**

Bush, W. J., & Co., Ltd.

**CONFECTIONERY, MEDICATED**

Gnest, Thos., & Co.

**CONTINENTAL PROPS.**

Wileox, Jozeau & Co.

**COPPERSMITHS**

Braithwaite, H., & Co.

**CORKS**

Ayrton, Saunders & Co., Ltd.  
Mitchell, N. W., & Sons, Ltd.

**CORN EXTERMINATOR**

Gardner

**CORN PLASTERS**

Solport Bros.

**COUNTER ADJUNCTS**

Evans Sons Lescher & Webb, Ltd.

**COUNTER SPECIALITIES**

Allen & Hanburys, Ltd.  
British Drug Houses, Ltd., The  
Burgoyne, Burbidges & Co.  
Hewlett, C. J., & Sons, Ltd.  
Wright, Layman & Umney, Ltd.

**COURT PLASTER**

Solport Bros.

**CREOSOLS**

Baiss Bros. & Stevenson, Ltd.  
Burt, Boulton & Hayward, Ltd.

**CREPE BANDAGES**

Gimber, W., & Son  
Burge, Warren & Ridgley, Ltd.  
Leslies, Ltd.  
Norwich Crepe Co. (1856), Ltd.  
Wood, Vincent

**CYANIDES**

May & Baker, Ltd.

**DAIRY SPECIALITIES**

Fullwood, R. J., & Bland  
Oldfield, Pattinson & Co.

**DECOCTIONS, &c., CONCENT**

Wyleys, Ltd.

**DENTAL MECHANICS**

Cullwick, H. E.  
Fentiman, A. G.  
Fentiman, A. J., & Co.  
Garthwaite, H.  
Halder, E. C.  
Wardale, F. C., & Co.

**DENTAL TOOLS, ETC.**

Edwards' Dental Manfg. Co. Ltd.  
Plucknett, C. J., & Co., Ltd.

**DENTIFRICES**

Beecham, T.  
Bell (John), Hills & Luons, Ltd.  
Blackie, Robert  
Christy, E. C., & Co.  
Cook, E., & Co., Ltd.  
Eueryl, Ltd.

Jewsbury & Brown

John Strange Winter  
Mason Bros. & Chapman  
Maw, S., Son & Sons  
Newbery, F., & Sons, Ltd.

Odol Chemical Works

Parke, Davis & Co.

Reidel, J. D., & Co.

Sangers

Standard Tablet & Pill Co., Ltd.

Woolley, J., Sons & Co., Ltd.

**DEVELOPERS (PHOTO)**

Evans Sons Lescher & Webb, Ltd.  
Express Developing Co.

Johnson & Sons (Mfg. Chts.)

**DEXTRINE**

Fink, F., & Co.

**DIABETIC FOODS**

Van Abbot, G., & Sons

**DISINFECTANTS**

Baiss Bros. & Stevenson, Ltd.  
Burt, Boulton & Hayward, Ltd.  
Condy & Mitchell, Ltd.  
Cook, E., & Co., Ltd.  
Ellison, Henry, Ltd.  
Pearson's Antiseptic Co., Ltd.  
Sanitas Co., Ltd.  
Willows, Francis B. & T.  
Wright, Layman & Umney, Ltd.

**DISINTEGRATORS**

Hardy Patent Pick Co., Ltd.

**DRUGGISTS' SUNDRIES**

Ayrton, Saunders & Co., Ltd.  
Barelay & Sons, Ltd.  
Berliner, Arthur  
Burge, Warren & Ridgley, Ltd.  
Bnech, H. W., & Co., Ltd.  
Christy & Co.  
Edwards, W., & Son  
Evans Sons Lescher & Webb, Ltd.  
Hovenden, R., & Sons, Ltd.  
Manson, R.  
Maw, S., Son & Sons  
May, Roberts & Co., Ltd.  
Newbery, F., & Sons, Ltd.  
Pothe, H., & Co.  
Queloh, H. C., & Co.  
Reuter, R. J.  
Sangers  
Schntze, F., & Co., Ltd.  
Solport Bros.  
Swales, Thomas  
Toogood, W., Ltd.  
Wattenbach, O.  
Woolley, J., Sons & Co., Ltd.

**DRUGS, CRUDE**

Brook, Parker & Co., Ltd.  
Gathergood's Exor.  
Goodhall, Backhouse & Co.  
Potter & Clarke, Ltd.  
Ransom, W., & Son  
Schmitt & Wildenhaya  
Sparks, White & Co., Ltd.

**DYEWARES**

Clemons, Marshall & Carbert

**EAU DE COLOGNE**

Bronnley, H., & Co., Ltd.  
Farina, J. M.  
Farina, J. M. (No. 4)  
Fickus, Courtney & Co.  
McCracken, J. & R.  
Reuter, R. J.  
Schntze, F., & Co., Ltd.  
Spurway & Cie., Ltd.

**EDUCATIONAL INSTITS.**

Bath & West of England College  
Birmingham & Midland College  
College of Preceptors  
Elit's College  
Glasgow School of Pharmacy  
Liverpool School of Pharmacy  
London College of Pharmacy  
North of England School  
Northern College of Pharmacy  
South of England College  
Westminster College

**EFFERVESCENT PREPS.**

Allen & Hanburys, Ltd.  
Bishop, Alfred, Ltd.  
Bristol-Myers Co.  
Cupal, Ltd.  
Wright, Layman & Umney, Ltd.  
Wyleys, Ltd.

**ELASTIC CORDS**

MacLennan, John, & Co.

**ELASTIC HOSEERY**

Ayrton, Saunders & Co., Ltd.  
Burge, Warren & Ridgley, Ltd.  
Haywood, J. H., Ltd.  
Maw, S., Son & Sons  
Surgical Hoseery Co. Ltd.  
Wood, Vincent

**ELECTRIC LAMPS**

General Electric Co., Ltd.

**ELECTRICAL NOVELTIES**

Evans Sons Lescher & Webb, Ltd.  
Millard Bros., Ltd.

Ward & Goldstone

Wright, Archibald J., Ltd.

**EMERY AND CLOTH**

Oakey, J., & Son, Ltd.

**EMETINE SALTS**

Whiffen & Sons, Ltd.

**EMULSIFIERS**

Bennett, Sons & Shears, Ltd.  
Wilkinson, S. W., & Co.

**EMULSIONS, C. L. O., &c.**

Ayrton, Saunders & Co., Ltd.  
Baiss Bros. & Stevenson, Ltd.  
Boulton Macro, Ltd.  
Burgoyne, Burbidges & Co.  
Cupal, Ltd.  
Kirby, Fairbank  
Lorimer Marshall, Ltd.  
Scott & Bowne, Ltd.  
Stevenson, H. E., & Co.

**ENEMAS**

Burge, Warren & Ridgley, Ltd.  
Ingram, J. G., & Son  
Maw, S., Son & Sons  
Newbery, F., & Sons, Ltd.  
Warne W., & Co., Ltd.



**EPSOM SALTS**

Howards &amp; Sons, Ltd.

**ESSENCES, SOL. AND FRUIT**

Alliance Drug & Chem. Co.  
Barnett & Foster  
Boake Roberts & Co. Ltd.  
Bush, W. J., & Co., Ltd.  
Hay, Wm., Ltd.  
London Essence Co.  
Newball & Mason  
Stevenson & Howell, Ltd.

**ESSENCES, CONCRETE**

Spurway &amp; Cie., Ltd.

**ETHERS**

Baies Bros. & Stevenson Ltd.  
Dunoon, Flockhart & Co.  
Howards & Sons, Ltd.  
Macfarlan, J. F., & Co.  
May & Baker, Ltd.  
Tyrer, T., & Co., Ltd.  
White, A., & Sons

**EUCALYPTUS OIL**

British Drug Houses, Ltd. The

**EYE BATHS**

Sangers

**EXTRACT OF HERBS**

Newball & Mason  
Potter & Clarke, Ltd.

**EXTRACTS (MEDICINAL)**

Allen, Stafford & Sons, Ltd.  
Burroughs Wellcome & Co.  
Evans Sons Lescher & Webb, Ltd.  
Gathergoods, Exors.  
Hewlett, C. J., & Son, Ltd.  
Parke, Davis & Co.  
Ransom, W., & Son

**FACTORY, &c., SITES**

Great Western Railway  
North-Eastern Railway

**FEEDING BOTTLES.**

Reuter, R. J.

**FILTER PAPER**

Burgoyne, Burbidges &amp; Co.

**FILTERS**

Berkefeld Filter Co., Ltd.

**FLYCATCHERS**

Alabastine Co. (British), Ltd.  
Barraclough, J., & Co.  
Kay Bros., Ltd.  
Smith, Jno. H., & Co.  
Tunbridge & Wright

**FOODS, INVALID, ETC.**

Allen & Hanburys, Ltd.  
Aplin & Barrett, Ltd.  
Bell (John), Hills & Lucas, Ltd.  
Benger's Food, Ltd.  
Bovril, Ltd.  
Brand & Co., Ltd.  
Burgoyne, Burbidges & Co.  
Cox, Arthur H., & Co., Ltd.  
Deans, Logan & Co., Ltd.  
Fairchild Bros. & Foster  
Horlick's Malted Milk Co.  
Lofthouse & Saltmer, Ltd.  
Menley & James, Ltd.  
Natural Food Co., Ltd.  
Pearson, E. T., & Co.  
Sister Lauras Infant Food Co.  
Willows, Francis B. & T.  
Woolley, Jas., Sons & Co., Ltd.

**FULLER'S EARTH**

Mumford, G. S., &amp; Sons

**FUMIGATORS**

Sanitas Co., Ltd.

**GLYCERIN**

Price's Patent Candle Co., Ltd.

**GLYCEROPHOSPHATES**

Merck, E.  
Peintot & Girard

**GREASE REMOVER**

Perkin &amp; Co., Ltd.

**GRINDERS, DRUG, &c.**

Allen, Stafford & Sons, Ltd.  
Goodall, Backhouse & Co.  
Willows, Francis, B. & T.  
Wright, Layman & Umney, Ltd.

**GRINDERS (MACHINE)**

Hardy Patent Pick Co., Ltd.

**GUMS**

Fiak, F., & Co.  
Kington, W. M., & Co.

**HAIR DYES**

Harker, Stagg &amp; Morgan, Ltd.

**HAND-CARTS, TRUCKS, &c.**

Crewe &amp; Co.

**HAIR PREPARATIONS**

Alexandre, L.  
Blackie, Robert  
Cabellene  
Edwardes' "Harlene" Co.  
Harrison, G. W.  
John Strange Winter  
Osborne, Garrett & Co.  
Robare's Aureoline  
Van Essen, James, & Co., Ltd.  
Warner Oliver, Ltd.

**HAT CLEANERS**

Christy, Thos., & Co.  
Senier Alf., & Co.

**HAT DYES**

Whitaker &amp; Co.

**HEARING APPARATUS**

Stolz Electrophone Co., Ltd.

**HERBS**

Brook, Parker & Co., Ltd.  
Potter & Clarke, Ltd.  
Ransom, W., & Son

**HOMOEOPATHIC MEDICINES**

Ashton & Parsons, Ltd.  
Keene & Ashwell, Ltd.

**HOT-WATER BOTTLES**

Bailey, W. H., & Son  
Burge, Warren & Ridgley, Ltd.  
Fulham Pottery and Cheavin  
Filter Co., Ltd.  
Galen Manfg. Co., Ltd.  
Schutze, F., & Co., Ltd.  
Tompkins, J., Ltd.  
Toogood, William, Ltd.  
Wood Vincent  
X. L. Rubber Co.

**HOTELS**

Kingsley Hotel  
Thackeray Hotel

**HYDROGEN PEROXIDE**

May & Baker, Ltd.  
Sanitas Co., Ltd.  
Tyrer, T., & Co., Ltd.

**HYPNOTICS**

Knoll &amp; Co.

**HYPOPHOSPHITES**

May & Baker, Ltd.  
Tyrer, T., & Co., Ltd.

**ICHTHYOL**

Ichthyol Gesellschaft

**INSECTICIDES**

Christy, T., & Co.  
Tomlinson & Hayward, Ltd.

**INSECT POWDER**

Danyesz Virus, Ltd.  
Keating, Thomas

**INSTEP SUPPORTS**

Scholl Manfg. Co.

**JUJUBES**

Guest, Thos., & Co.  
Potter & Clarke, Ltd.

**LANOLINE**

Burroughs Wellcome &amp; Co.

**LARD**

Ewen, J., &amp; Sons

**LAVENDER WATER.**

Bush, W. J., & Co., Ltd.  
Rivers, Hill & Co., Ltd.

**LEATHER BLACK**

Whitaker &amp; Co.

**LECITHIN**

Chem. Works "Victoria"  
Williams G. M., & Co.

**LIME JUICE AND CORDIAL**

Evans Sons Lescher & Webb, Ltd.  
Goodall, Backhouse & Co.  
Idris & Co., Ltd.

**LINSEED, CRUSHED, &c.**

Mumford, G. S., &amp; Sons

**LINTS**

Liverpool Lint Co.  
Maw, S., Son & Sons  
Robinson & Sons, Ltd.  
Taylor, W. G.  
Vernon & Co., Ltd.

**LIQUORICE JUICE**

Apollo  
Evans Sons Lescher & Webb, Ltd.  
Jackson, E. E.  
Mumford, G. S., & Sons  
Solazzi

**LITHIA SALTS**

British Drug Houses, Ltd., The  
Macfarlan, J. F., & Co.  
May & Baker, Ltd.

**LOOFAHS**

Internal. Sponge Importers, Ltd.  
Solport Bros.  
Swales, Thomas

**LOZENGES**

Ayrton, Saunders & Co., Ltd.  
Denoual, Jules & Co.  
Guest, Thos., & Co.  
Jackson, E. E.  
Potter & Clarke, Ltd.  
Raines & Co.  
Standard Tablet & Pill Co., Ltd.  
Warrick Bros., Ltd.

**MACHINERY, PHARMACAL**

Allen & Hanburys, Ltd.  
Bennett, Sons & Shears, Ltd.  
Comet Chemical Co., Ltd.  
Gardner, Wm., & Sons, Ltd.  
Hardy Patent Pick Co., Ltd.  
Lister, R. A., & Co., Ltd.  
Pindar J. W., & Co.  
Stokes, F. J., Machine Co.  
Wilkinson, S. W., & Co.

**MAGNESIA AND ITS PREPS.**

British Drug Houses, Ltd., The  
Corbyn, Stacey & Co., Ltd.  
Henry, T. & W.  
Howards & Sons Ltd.  
Phillips, Chas. H., Chem. Co.  
Washington Chemical Co., Ltd.

**MALT EXTRACT & PREPS.**

Boulton Macro, Ltd.  
British Diamalt Co., Ltd.  
British Drug Houses, Ltd., The  
Burroughs Wellcome & Co.  
Davies, Sons & Co.  
Evans Sons Lescher & Webb, Ltd.  
Paine & Co., Ltd.

**MANICURE CASES**

Hovenden, R., & Sons, Ltd.  
Schutze, F., & Co., Ltd.

**MARKING INK**

John Bond ("Crystal Palace")

**MEASURES, GRADUATED**

Bush, Henry W., &amp; Co., Ltd.

**MEAT EXTRACTS**

Armour & Co., Ltd.  
Bovril, Ltd.  
Brand & Co., Ltd.  
Tooth's Extract of Meat Co.

**MERCURIALS**

Alliance Drug & Chem. Co.  
Howards & Sons, Ltd.  
May & Baker, Ltd.  
Tyrer, T., & Co., Ltd.

**METAL GOODS**

Betts & Co., Ltd.  
Eley Bros., Ltd.

**METHYLATED SPIRIT**

Burrough, J., Ltd.  
Macnair, A., & Co.  
Preston's Liverpool Distillery  
Randall & Son, Ltd.

**MICROSCOPES**

Raphael's, Ltd.

**MINERAL WATERS, SALTS**

Apollinaris Co., Ltd.  
Hughes, E., Griffiths  
Ingram & Royle, Ltd.  
Vichy (State Springs)  
Vittel

**MIXERS AND SIFTERS**

Comet Chemical Co., Ltd.  
Gardner, Wm., & Sons (Gloucester), Ltd.

**MUSTARD PLASTER**

Rueff, Julius

**NIGHT-LIGHTS**

Prescott &amp; Co.

**OINTMENTS**

Blackie, Robert  
Burgess, E.  
Cartwright, W. B., Ltd.  
Cox, Arthur H., & Co.  
Oldfield, Pattinson & Co.  
Peat Products (Sphagnol), Ltd.  
Smith, Maurice  
Zimmermann, Chas., & Co.

**OILS, ESSENTIAL**

Allen, Stafford & Sons Ltd.  
Alliance Drug & Chemical Co.  
Boake, A., Roberts & Co., Ltd.  
Bush, W. J., & Co., Ltd.  
Dodge & Olcott Co.  
Evans Sons Lescher & Webb, Ltd.  
London Essence Co.  
Poppelreuter, W.  
Ransom, W., & Son  
Schimmel & Co.  
Spurway & Cie., Ltd.  
Stevenson & Howell, Ltd.  
Varaldi, F.  
Wright, Layman & Umney, Ltd.  
Zimmermann, Chas., & Co.

**OILS, MINERAL, FATTY**

Allen, Stafford & Sons, Ltd.  
Price's Patent Candle Co.  
Schliemann's Oil & Ceresine Co.  
Stern Sonneborn Oil Co., Ltd.

**OLIVE OIL**

Goodall, Backhouse & Co.  
Sparks, White & Co., Ltd.  
Varaldi, F.

**OPTICAL GOODS**

Anglo-American Optical Co.  
Botwright & Grey  
Darton, F., & Co.  
Maw, S., Son & Sons  
Nitsche & Gunther Opt. Co., Ltd.  
Raphael's, Ltd.

**OPTICAL TUITION**

British Optical Institute, Ltd.  
Spectacle Makers' Company.

**ORANGE QUININE WINE**

Hobson, Joseph, & Son  
Melrose-Drover Co., Ltd.  
Millar, A., & Co., Ltd.  
Robinson, B., & Co., Ltd.

**ORGANOTHERAPY****PRODUCTS**

British Organotherapy Co., Ltd.  
Martindale, W.

**OTTO OF ROSE**

Spurway &amp; Cie., Ltd.

**OTTO OF ROSE (SYNTH.)**

Bush, W. J., & Co., Ltd.  
Kerfoot, Thos., & Co.  
Warrick Bros. Ltd.  
Wright, Layman & Umney, Ltd.

**OXYGEN BATHS**

Wright &amp; Co.

**PACKED GOODS**

Allen & Hanburys, Ltd.  
Baies Bros. & Stevenson, Ltd.  
Blackie, Robert  
Boulton Macro, Ltd.  
Brook, Parker & Co., Ltd.  
Cartwright, W. B., Ltd.  
Cox, Arthur H., & Co., Ltd.  
Christy Thos., & Co.  
Cupal, Ltd.  
Davies, Sons & Co.  
Evans Sons Lescher & Webb, Ltd.  
Goodall, Backhouse & Co.  
Harker, C. R., Stagg & Morgan  
Lofthouse & Saltmer, Ltd.  
Lorimer Marshall, Ltd.  
May, Roberts & Co., Ltd.  
Newball & Mason  
Oldfield, Pattinson & Co.  
Potter & Clarke, Ltd.  
Sangers  
Standard Tablet & Pill Co., Ltd.  
Van Essen, James, & Co., Ltd.

**PALATINOIDS**

Oppenheimer, Son &amp; Co., Ltd.

**PAPER HANDKERCHIEFS**

Powell, J. T., &amp; Co.

**PARAFFINUM LIQUIDUM**

Schliemann Oil &amp; Ceresine Co.

**PASTILLES**

Allen & Hanburys, Ltd.  
Asche, C. F., & Co.  
Burroughs Wellcome & Co.  
Evans Sons Lescher & Webb, Ltd.  
Kerfoot, Thomas, & Co.  
Taverner & Sons, Ltd.  
Valda Pastilles  
Warrick Bros., Ltd.

**PATENT AGENTS**

Barker, R. W.  
Newnham, Browne & Co.

**PEPPERMINT OIL**

Bush, W. J., & Co., Ltd.  
Dodge & Olcott Co.

**PERFUME MATERIALS**

Boehringer, C. F., & Soehne  
 Bush, W. J., & Co., Ltd.  
 Kerfoot, T., & Co.  
 Neef M., & Co., Sucers.  
 Schimmel & Co.  
 Schwarz, A. W.  
 Varaldi, F.  
 Wright, Layman & Umney, Ltd  
 Zimmermann, Chas., & Co.

**PERFUMES**

Allen & Hanburys, Ltd.  
 Baisse Bros. & Stevenson, Ltd.  
 Barnetts Perfumery, Ltd.  
 Bronnley, H., & Co., Ltd.  
 Bush, W. J., & Co., Ltd.  
 Christy T., & Co.  
 Evans Sons Lescher & Webb Ltd  
 John Strange Winter  
 Kerfoot, T., & Co.  
 Lescol Perfumery Co.  
 McCracken, J. & R.  
 Prichard & Constance, Ltd.  
 Queloh, H. C., & Co.  
 Rivers, Hill & Co., Ltd.  
 Southall Bros. & Barclay, Ltd.  
 Spurway & Cie., Ltd.  
 Warriok Bros., Ltd.  
 West, T., & Son  
 Wolff, F., & Sohn

**PESSARIES (SOLUBLE)**

Burge, Warren & Ridgley, Ltd.  
 Rendell, W. J.

**PETROLEUM JELLY**

Chesebrough Manfg. Co.  
 Gardner & Andrew  
 Sohliemann's Oil & Ceresine Co.  
 Stern, Sonneborn Oil Co., Ltd.

**PHOSPHORUS AND PREPS.**

May & Baker, Ltd.

**PHOTO. CHEMICALS**

Boehringer, C. F., & Soehne  
 Johnson & Sons (Mfg. Chts.), Ltd

**PHOTO. GOODS**

Ayrton, Saunders & Co., Ltd.  
 Barolay & Sons, Ltd.  
 Bnrroughs Wellcome & Co.  
 Evans Sons Lescher & Webb, Ltd  
 Express Developing Co.  
 Ilford Ltd.  
 Kent, G. B., & Sons, Ltd.  
 Lennon, Ltd.  
 May, Roberts & Co., Ltd.  
 Newbery, F., & Sons, Ltd.  
 Rajar, Ltd.

**PHOTO. POSTCARDS, ETC.**

Rajar, Ltd.

**PILL MAKERS**

Cox, A. H., & Co., Ltd.  
 Davies, Sons & Co.  
 Howard Lloyd & Co., Ltd.  
 Standard Tablet & Pill Co., Ltd.

**PLASTERS**

Alcock Manfg. Co.  
 Berliner, Arthur  
 Dalmas, A. de St., & Co.  
 Galen Mfg. Co., Ltd.  
 Leeslie, Ltd.

**PLATE POWDER**

Lees, A., & Co.

**PLEATED PAPER**

Darter, Wilkinson & Co.  
 Smith Bros. & Co.

**POLISHES (VARIOUS)**

Bradley & Bourdas  
 Oakey, J., & Sons, Ltd.

**POSTAL BOXES**

Eeles, Walker & Co.  
 Robinson & Sons, Ltd.

**POWDER PAPER**

Prichard & Constance, Ltd.

**PRESS CUTTINGS**

Central News

**PRINTERS**

Clyde Press  
 Ford, Shapland & Co.  
 Harrison & Waide  
 Suttley & Silverlock, Ltd.  
 Townsend, J., & Sons

**PROPRIETARY ARTICLES**

Anglo-American Pharm. Co.  
 Anglo-Indian Drug & Chem. Co.

**PROPRIETARY ART.—cont.**

Aplin & Barrett, Ltd.  
 Ashton & Parsons, Ltd.  
 Barolay & Sons, Ltd.  
 Beecham, T.  
 Bow's Liniment, Ltd.  
 British Drug Houses, Ltd., The  
 Burgess, E.  
 Carnrick, G. W., Co.  
 Chameleon Oil Co., Ltd.  
 Christy, T., & Co.  
 Coleman & Co., Ltd.  
 Corbyn, Stacey & Co., Ltd.  
 Crimson Cross Dispensary  
 Cupal, Ltd.  
 Cyona Co., Ltd.  
 Daisy, Ltd.  
 Davenport, J. T., Ltd.  
 Dearborn, Ltd.  
 Demuth, R.  
 Dunoon, Flockhart & Co.  
 Escolent Compounds, Ltd.  
 Edwards, W., & Son  
 Evans Sons Lescher & Webb, Ltd  
 Faulding, F. H., & Co.  
 Fellows' Med. Manfg. Co.  
 Fennings, Alfred  
 Ferris & Co., Ltd.  
 Fox & Co. (Liverpool), Ltd.  
 Freeman's Chlorodyne, Ltd.  
 Fulford, C. E., Ltd.  
 Goodall, Backhouse & Co.  
 Harrison, Geo. W.  
 Henry, T. & W.  
 Hommel's (Dr.) Hæmatogen  
 Hughes, E. Griffiths  
 Ichthyol Gesellschaft  
 International Laboratories  
 Kay Bros., Ltd.  
 Kutnow, S., & C., Ltd.  
 Martindale, W.  
 May, Roberts & Co., Ltd.  
 Mergentheim Tablets  
 Newbery, F., & Sons, Ltd.  
 Odol Chemical Works  
 Oppenheimer, Son & Co., Ltd.  
 Owbridge, W. T., Ltd.  
 Phillips, Chas. H., Chem. Co.  
 Phistol, Ltd.  
 Pinex Co., Ltd.  
 Poultoen Co.  
 Primer, J.  
 Resinol Chemical Co.  
 Riedel, J. D., Co.  
 Rubinstein, Madame H.  
 Rubwel Co.  
 Sangers  
 Sargol, Ltd.  
 Schimmel & Co.  
 Soott & Bowne, Ltd.  
 Squire & Sons  
 Standard Tablet & Pill Co., Ltd  
 Thompson & Capper  
 Tunbridge & Wright  
 Urillao Manfg. Co.  
 Valda Pastilles  
 Wait-and-See Proprietary  
 Warrick Brothers, Ltd.  
 White, A. J., Ltd.  
 Wilcox, Jozeau, & Co.  
 Woodward, W., Ltd.  
 Wright, Layman & Umney, Ltd.  
 Zimmermann, C., & Co

**PUFFS**

Solport Bros.

**PUMPS**

Berkefeld Filter Co., Ltd.

**QUININE AND SALTS**

Alliance Drug & Chem. Co.  
 Boehringer, C. F., & Soehne  
 Buchler & Co.  
 Corbyn, Stacey & Co., Ltd.  
 Howards & Sons, Ltd.  
 Pointet & Girard

**RADIO-ACTIVE MINERALS**

Harrington Bros., Ltd.

**RADIUM & SALTS**

Buchler, H., & Co.

**RAZOR STROPPER**

Barclay & Sons, Ltd.

**RENNET**

Fullwood & Bland  
 Oldfield, Pattinson & Co.

**RESINS AND RESINOIDS**

Allen, S., & Sons, Ltd  
 Macfarlan, J. F., & Co.  
 Ransom, W., & Son  
 Smith T. & H., Ltd.

**RESPIRATORS**

Zimmer & Co.

**RIBBONS, CORDS, &C.**

MacLennan, John, & Co.

**RUBBER GOODS**

Berliner, Arthur  
 Burge, Warren & Ridgley, Ltd.  
 Haywood, J. H., Ltd.  
 Ingram, J. G., & Son  
 Maw, S., Son & Sons  
 Surgical Hosiery Co., Ltd.  
 Tompkins, James, Ltd.  
 Warne, W., & Co., Ltd.  
 X. L. Rubber Co.

**RUBBER STAMPS**

Richford, C. D.

**SACCHARIN**

Saccharin Corporation, Ltd.

**SAMPLE CASES**

Keane, Thomas

**SANTONIN**

Smith, B. A., & Co.

**SAPONIN**

Field, C. W.

**SCIENTIFIC APPARATUS**

Reynolds & Branson, Ltd.  
 Perken, Son & Co., Ltd.

**SEA SALT**

Tidman & Son, Ltd.

**SEED-DRESSING**

Hawker, Arthur E.  
 Tomlinson & Hayward, Ltd.

**SERUMS AND ANTITOXINS**

Allen & Hanburys, Ltd.  
 Burroughs Wellcome & Co.  
 Evans Sons Lescher & Webb, Ltd  
 Parke, Davis & Co.  
 Schimmel & Co.  
 Wilcox, Jozeau & Co.

**SHAMPOO POWDERS**

Standard Tablet & Pill Co., Ltd.

**SHARES**

McAdam & Tuckniss

**SHEEP DIPS**

Burt, Boulton & Haywood

**SHEEP MEDICINES**

Pettifer, Stephen, & Sons

**SHELLAC**

Kershaw, H. E., Ltd.

**SHOP FITTING**

Ayrton-Graham, Ltd.  
 Cook, George  
 Evans Sons Lescher & Webb, Ltd  
 Grant, D.  
 Josephs, Philip, & Sons, Ltd.  
 Maw, S., Son & Sons  
 Parnall & Sons, Ltd.  
 Rudduck & Co.  
 Sangers

**SHOW STANDS**

London and Colonial Manfg. Co.

**SOAPS, TOILET, &C.**

Allen & Hanburys, Ltd.  
 Armour & Co., Ltd.  
 Bell, John Hills & Lucas, Ltd.  
 Bronnley, H., & Co., Ltd.  
 Chesebrough Manfg. Co.  
 Christy Thos., & Co.  
 Cook, E., & Co., Ltd  
 Eueryl, Ltd.  
 Evans Sons Lescher & Webb, Ltd  
 Fulford, C. E., Ltd.  
 Harrison, G. W.  
 Hovenden, R., & Sons, Ltd.  
 John Strange Winter  
 Lescol Perfumery Co.  
 Margonal Co.  
 Olival Anglo-Spanish Soap Co.  
 Pears, A. & F., Ltd  
 Peat Products (Sphagnol), Ltd.  
 Price's Patent Candle Co.  
 Resinol Chemical Co.  
 Wolff, F., & Sohn  
 Wright, Layman & Umney, Ltd.

**SHOULDER STRAPS**

Wood, Vincent

**SODA FOUNTAINS**

Flugel & Co.

**SODIUM BICARBONATE**

Brunner, Mond & Co., Ltd.  
 Electrolytic Alkali Co., Ltd.  
 Howards & Sons, Ltd.  
 Mumford, G. S., & Sons

**SOOTHERS**

Newbery, F., & Sons, Ltd.  
 Schutze, F., & Co., Ltd.

**SPECTACLES**

Botwright & Grey  
 Darton, F., & Co.  
 Maw, S., Son & Sons  
 Nitsche & Gunther Opt. Co., Ltd  
 Raphael's, Ltd.

**SPICES**

Goodall, Backhouse & Co.

**SPIRIT OF WINE**

Burrough, J., Ltd.  
 Preston's Liverpool Distillery  
 Co., Ltd.

**SPONGES**

Internl. Sponge Importers, Ltd

**SPRAYS**

Burge, Warren & Ridgley, Ltd  
 Hovenden, R., & Sons, Ltd.  
 Maw, S., Son & Sons  
 Parke, Davis & Co.  
 Sangers  
 Toogood, Wm., Ltd.

**SPRINKLER CORKS**

Betts & Co., Ltd.

**SPRUCE BEER**

Hobson, Joseph, & Son

**STARCH**

Mumford, G. S., & Sons

**STILLS**

Bennett, Sons & Shears, Ltd.  
 Stokes, F. J., Machine Co.

**STOPPERS**

Stipendum Stopper Co.

**SUPPOSITORIES**

Peat Products (Sphagnol), Ltd.

**SURGICAL APPLIANCES AND DRESSINGS**

Allen & Hanburys, Ltd.  
 Bailey, W. H., & Son, Ltd.  
 Berliner, Arthur  
 Burroughs Wellcome & Co.  
 Bush, H. W., & Co., Ltd.  
 Dalmas, A. de St., & Co.  
 Davis, John Morgan, & Sons  
 Galen Manfg. Co. Ltd.  
 Gimber, W., & Son  
 Haynes, G., & Co.  
 Haywood, J. H., Ltd.  
 Liverpool Lint Co.  
 Macfarlan, J. F., & Co.  
 Martindale, W.  
 Mason Bros. & Chapman  
 Maw, S., Son & Sons  
 Queloh, H. C., & Co.  
 Reynolds & Branson, Ltd.  
 Robinson & Sons, Ltd.  
 Surgical Hosiery Co., Ltd.  
 Taylor, W. G.  
 Warne, W., & Co., Ltd.  
 Wood, Vincent  
 Woolley, J., Sons & Co., Ltd.

**SYPHONS**

Barnett & Foster  
 Camwal, Ltd.  
 Idrie & Co., Ltd.  
 Sharman's Pat. Syphon Co., Ltd

**SYRINGES**

Bush, H. W., & Co., Ltd.

**SYRUPS, MEDICINAL**

Fellows' Med. Mfg. Co

**TABLE WATERS**

Burrow, W. & A.



**TABLET MACHINERY**

Allen & Hanburys, Ltd.  
Bennett, Sons & Shears, Ltd.  
Thompson & Capper  
Wilkinson, S. W., & Co.

**TABLETS, COMPRESSED**

Allen & Hanburys, Ltd.  
Fisher, Alfred, Ltd.  
British Drug Houses, Ltd., The  
Burgoyne, Burdidges & Co.  
Cartwright, W. B., Ltd.  
Cox A. H., & Co., Ltd.  
Davies, Sons & Co.  
Duncan, Flockhart & Co.  
Evans Sons Lescher & Webb, Ltd.  
Howards & Sons, Ltd.  
Howard Lloyd & Co., Ltd.  
Johnson & Sons (Mfg. Chs.)  
Martindale, W.  
Parke, Davis & Co.  
Standard Tablet & Pill Co., Ltd.  
Thompson & Capper  
Wand Manfg. Co.  
Wigglesworth & Co.

**"TABLOID" PRODUCTS**

Burroughs Wellcome & Co.

**TARTARIC ACID**

British Drug Houses, Ltd., The  
Boehringer, C. H., Sohn

**TEA (TANNIN-LESS)**

Sumner's Typhoo Tea, Ltd.

**TEATS (I.R.)**

Ingram, J. G., & Son

**TIN BOX MAKERS**

Goodall, Backhouse & Co.  
Huntley, Boorne & Stevens  
Liverpool Tin Canister Co., Ltd.  
Shirley Bros., Ltd.

**TINCTURE PRESS**

Lister, R. A., & Co., Ltd.

**TOSACCO**

Singleton & Cole, Ltd.

**TOILET ARTICLES**

Allen & Hanburys, Ltd.  
Armour & Co., Ltd.

**TOILET ARTICLES—cont.**

Ayrton, Saunders & Co., Ltd.  
Beetham, M., & Son  
Blackie, Robert  
Bronnley, H., & Co., Ltd.  
Burroughs Wellcome & Co.  
Chesebrough Mfg. Co.  
Christy, T., & Co.  
Cook, E., & Co., Ltd.  
Cox, Arthur H., & Co. Ltd.  
Daisy, Ltd.  
Edwards' Harlene Co.  
Eueryl, Ltd.  
Fulford, O. E., Ltd.  
Harker, Stagg & Morgan, Ltd.  
Hovenden, R., & Sons, Ltd.  
John Strange Winter  
Lever Bros. Ltd.  
Lloyd A., & Co.  
Lloyd, A. S. (Hovenden)  
Lorimer Marshall, Ltd.  
Maw, S., Son & Sons  
May, Roberts & Co., Ltd.  
Newbery, F., & Sons, Ltd.  
Odol Chemical Works  
Osborne Garrett & Co.  
Papier Poudré, Ltd.  
Parke, Davis & Co.  
Prichard & Constance, Ltd.  
Queleh, H. C., & Co.  
Rubinstein, Madame H.  
Sangers  
Softo Manfg. Co.  
Solport Bros.  
Southall Bros. & Barclay, Ltd.  
Standard Tablet & Pill Co., Ltd.  
Van Essen, James, & Co., Ltd.  
Wholesale Chemical Works  
Woolley, J., Sons & Co., Ltd.

**TOILET PAPER**

Ayrton, Saunders & Co., Ltd.  
Burgoyne, Burdidges & Co.  
Ford, Shapland & Co.  
Townsend, J., & Sons

**TRADE-MARKS AGENTS**

Barker, R. W.  
Ford, Shapland & Co.  
Newnham, Browne & Co.

**TOOTH STOPPING**

Stevens, P. A.

**TURNED WOOD BOXES**

Rogers & Co.

**TRUSSES**

Bailey, W. H., & Son, Ltd.  
Bush, Henry W., & Co., Ltd.  
Coles, William & Co.  
Davis John Morgan, & Sons  
Haywood, J. H., Ltd.  
Maw, S., Son & Sons  
Schutze, F., & Co., Ltd.  
Wood, Vincent  
Woolley, J., Sons & Co., Ltd.

**VACUUM FLASKS**

Millard Bros., Ltd.  
Reuter, R. J.

**VACUUM PANS**

Bennett, Sons & Shears, Ltd.  
Read & Campbell, Ltd.  
Stokes, F. J., Machine Co.

**VALUERS**

Baker, P. C.  
Berdoo & Fish  
Brett & Co.  
Orridge & Co.  
Tomlinson, T., & Son

**VAPORIZERS**

Evans Sons Lescher & Webb, Ltd.  
Sanitas Co., Ltd.

**VASELINE**

Chesebrough Mfg. Co.

**VERMIN-KILLERS**

Battle, Son & Maltby  
Danezy Virus, Ltd.  
Evans Sons Lescher & Webb, Ltd.  
Farmer, F., & Co.  
Harley, Thomas  
Harrison, G. W.

**VETERINARY INSTRUMENTS**

Mason Bros. & Chapman  
Maw, S., Son & Sons

**VINEGAR**

Grimble & Co.

**VETERINARY REMEDIES**

Chesebrough Mfg. Co.  
Christy, Thos., & Co.  
Day & Sons (Crewe), Ltd.  
Edwards, W., & Son  
Harvey & Co. (Dublin), Ltd.  
Pettifer, Stephen, & Sons  
Senior, Alf., & Co.  
Tomlinson & Hayward, Ltd.  
Wyleys, Ltd.  
Zimmermann, C., & Co.

**WATER STILLS**

Stokes, F. J., Machine Co.

**WATERS, CONCENTRATED**

Robinson, B., & Co., Ltd.

**WAXES**

Kidston, W. M., & Co.

**WEED-KILLERS**

Burt, Boulton & Haywood  
Harrison, G. W.  
Tomlinson & Hayward, Ltd.

**WEIGHING MACHINES**

Maw, S., Son & Sons  
Shoppee, Albert C.

**WINDOW BRACKETS**

Ayrton-Graham, Ltd.

**WINDOW TICKETS**

Merten, F., & Co.

**WINES**

Burrough, J., Ltd.  
Smith, S., & Co., Ltd.

**WINES, MEDICATED**

Ayrton, Saunders & Co., Ltd.  
Burrough, J., Ltd.  
Burroughs Wellcome & Co.  
Coleman & Co., Ltd.  
Deane, Logan & Co., Ltd.  
Fletcher, Fletcher & Co.  
Hobson, Joseph, & Son  
Idrie & Co., Ltd.  
Robinson, B., & Co., Ltd.  
Smith, S., & Co., Ltd.

**WRIST STRAPS**

Solport Bros.

**ZINC OXIDE**

Hubbuck, T., & Son, Ltd.  
Stevenson, H. E., & Co.

**OLDFIELD, PATTINSON & CO.**

TELEGRAMS :

**"OPIUM MANCHESTER."**

A RELIABLE HOUSE FOR  
**All Pharmaceutical Preparations.**

CONCENTRATED WATERS.  
CONCENTRATED INFUSIONS.

B.P. Tincture.

**OPIUM**

Aqueous  
Tincture.

**Syr. Glycerophosph. Co.**

LIQUID EXTRACTS.  
LEVIGATED OINTMENTS.  
ESSENTIAL OILS.

**"Silver Churn" Dairy Specialities.**

Special Prices to Large Buyers.

Write for List.

**MANCHESTER.**



A WINDOW  
DISPLAY  
MAKES  
40/-  
PROFIT  
PER WEEK.

A LOZENGE FOR  
THE COLD DAYS  
IS A HABIT WITH  
WE  
ENGLISH FOLK.

THIS HABIT IS AT THE  
ROOT OF BIG SALES.  
THERE ARE MANY SELL-  
ING 20 AND 30 LBS. PER  
WEEK DURING THE  
WINTER, WHICH MEANS  
AT LEAST 30/- OR 40/-  
PROFIT — PER WEEK,  
MIND YOU.

PRICES ACCORDING TO  
QUANTITY TAKEN.

THEY HAVE A DISTINCTIVE TASTE—  
DISSOLVE IN THE MOUTH WITH THE  
SMOOTHNESS OF A PASTILLE—  
DON'T BREAK UP INTO LOOSE  
POWDER—BUT GIVE A LONG AND  
LASTING PLEASANT TASTE.



FREE 7 CARTONS,  
POSTERS,  
SHOWCARDS, ETC.

PRICES AND SAMPLES  
ON APPLICATION FROM

W. B. CARTWRIGHT  
LIMITED,  
MAKERS OF  
COMPRESSED  
TABLETS,

RAWDON,  
NEAR LEEDS.



FREE CARTONS  
TO HOLD TWO OUNCES.



No. 60.

Maw's

S. MAW, SON &amp; SONS

7 TO 12, ALDERSGATE ST.  
LONDON, E.C.

Page.

Telegraphic Address: "ELEVEN LONDON."

Telephone No.: LONDON WALL 3230 (4 lines).

"Prejudice is the child of ignorance."—HAZLITT.  
There is no prejudice—no ignorance—about the quality of "Maw" goods when once tried. ONE recommendation to a customer is sufficient.

Maw's Page

FRIDAY MORNING, DEC. 6TH, 1912.

Quite an effective way to make the shop window show at once distinctive and attractive is by the use of a set of the White China Columns we have appropriately introduced on the eve of the Xmas "Shopping Season"

It is one thing to have the right goods, but quite another to display them in the right way. Indeed, to arrange the window in an original style, is one of the greatest problems which the progressive Pharmacist has to solve. He works on the ideal principle of not crowding the shelves; each article is given its due share of "elbow room," so that the impression of the prospective customer is not confused by a conglomeration of lines of varied interest. We are confident that our White China Columns will prove just the thing to complete such a display. They are artistic in design, and readily lend themselves to numerous arrangements. They can be quickly placed in any desired position. Made in five sizes. For prices see "Order Now" column. When selecting Xmas lines from the adjoining list, remember to add White China Columns to your order. They are the foundation of every successful display.

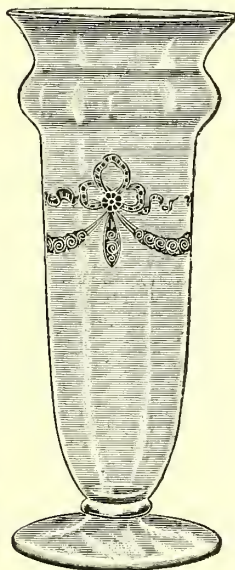
M S S

## TO COMPLETE YOUR XMAS SHOW:



No. 249.

Combination Pocket Sets, celluloid case, polisher, nail crayon and trimmer, 1 doz. on card, 4/- per doz.



Flower Vases. White flint etched decoration in white or green.

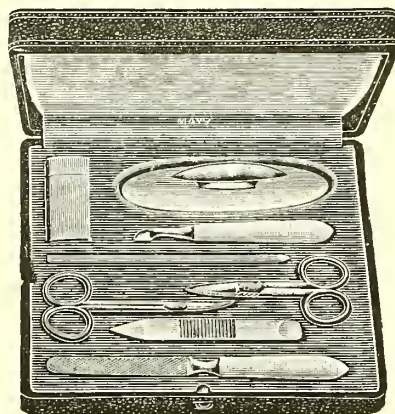
No. 5004, per doz.—

6 in. x 3 in. 10/9.

6 in. x 2½ in., as illustrated, 5/9

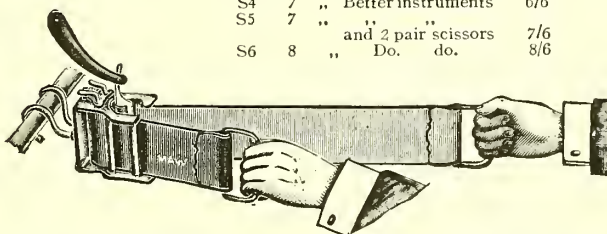
SCISSORS  
IN  
CASES

Large selection in cases of 3 and 4, as illustrated, from 3/6 to 21/- each.



Deep cases, dome top, plush and satin lined (assorted colours). Bone fittings, good quality cutlery. All polishers in this series are fitted with detachable metal ring. Each set contains a Nail Stone in case.

No.	Description.	Price each.
S1	6 pieces ...	3/3
S2	6 " Larger and better	4/6
S3	7 " ...	5/6
S4	7 " Better instruments	6/6
S5	7 " and 2 pair scissors	7/6
S6	8 " Do. do.	8/6



Maw's "Universal" Stropping Machines. Can be used with any ordinary razor. Each 4/3. Most useful gift for gentleman.

## GOOD SALECARDS THAT SELL GOODS. No. 7.

## A "MASSENE" MEM.

Demand for a good article was never more in evidence than the phenomenal orders for Maw's "Massene" Face Massage Set. Pharmacists and public alike are loud in their praise of the merits of this "Home Masseuse." If you have not yet ordered, there is no time to delay if you wish to take full advantage of the expected large Xmas Season "Massene" trade.

Wholesale: 3/6, 7/6, 14/- per set.

Retail: 5/-, 10/6, 21/- per set.

Beautiful art salecards and brochures free with initial orders.

Although always in demand, manicure scissors are exceptionally popular as a Xmas gift, and the carded line, as illustrated, will meet the requirements of Pharmacists who need a cheap but reliable quality. The card is neatly printed in green and grey, and holds six straight combined Nail and Cuticle Scissors (nickel plated).

Price 5/- per card.

It would be difficult to find another card which displays the scissors in such an effective manner.



Size 1½ x 10½. 6 Scissors, 5/-

USUAL DISCOUNT 5% ABOVE PRICES.

## Order Now:

(A few hints for this week compiled for the guidance of Pharmacists.)

Maw's Round White China Columns (An aid to counter and window displays.)

Height: 3½, 4½, 6½, 8, 10 in.  
Per doz. 5/6 7/6 10/- 12/- 17/6.

B2229 F Menthol Pencils.

In pure tin cases. Per doz., 6/6.  
60/7.12.12.



Telephone: 65 City.  
Telegrams: FORSHAPCO. West-cent LONDON.

# FORD, SHAPLAND & Co.

Offices  
6. Great Turnstile  
High Holborn, LONDON, W.C.  
Works: Whetstone Park.

Label &  
General Printers  
Letterpress  
Lithographic  
&  
Tri-Color

ONE OF MANY UNSOLICITED TESTIMONIALS.

DINGWALL, N.B.  
Nov. 1st, 1912.

Dear Sirs,

We have our consignment of Labels, etc., to hand to-day, and we can only express ourselves as being entirely satisfied with everything.

Yours very faithfully,

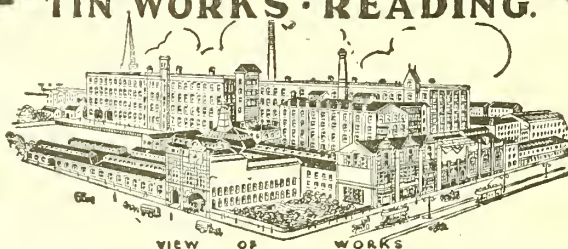
J. F. H.

Messrs. FORD, SHAPLAND & Co.,  
LONDON.

## HUNTLEY, BOORNE & STEVENS LTD

TIN WORKS · READING.

COLOR  
PRINTERS  
ON TIN



MAKERS OF HIGH-CLASS  
DECORATED & PLAIN TIN BOXES  
& SPECIALITIES FOR CHEMISTS

QUOTATIONS TO SAMPLES  
OR DESCRIPTIONS

CORRESPONDENCE INVITED.

TELEGRAMS: "HUNTLEY BOORNE" NATIONAL  
"TINWORKS READING" TELEPHONE 100

Near the British Museum.

### KINGSLEY HOTEL

HART STREET, BLOOMSBURY SQUARE, LONDON.

Opposite the British Museum.

### THACKERAY HOTEL

GREAT RUSSELL STREET, LONDON.

[These well-appointed and commodious TEMPERANCE HOTELS have  
Passenger Lifts, Bath Rooms on every floor, Lounges and spacious  
Dining, Drawing, Writing, Reading, Billiard and Smoking Rooms.

Perfect Sanitation. Fireproof Floors. Telephones. Night Porters.

Bedroom, Attendance, and Table d'Hôte Breakfast, single,  
from 5/6 to 7/6 Table d'Hôte Dinner, six courses, 3/-.  
Full Tariff and Testimonials on application.

TELEGRAPHIC ADDRESSES } Kingsley Hotel, Thackeray Hotel,  
"Bookcraft London." "Thackeray London."

## Press Cuttings

Everything and anything that is  
printed in any newspaper anywhere  
can be supplied by

### The Central News,

Press Cutting Department,  
5 New Bridge St., London, E.C.

The Central News Agency has been established  
over forty years.



## Where The Medical Labels Come From



The World's Medical Label Printers :  
**SUTTLEY & SILVERLOCK, LTD.**

TELEPHONE NO.  
 HOP 3474 (3 LINES).

**LONDON.**

TELEGRAMS:  
 SILVERLOCK, LONDON.

## WHY

You should send your inquiries to

## SUTTLEY & SILVERLOCK

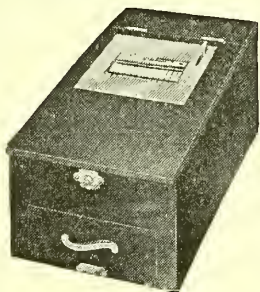
### BECAUSE :

- 1.—They have the largest collection in the Kingdom of specialized machinery for label production.
- 2.—They produce, in their own Factories, every class of work from labels to book and magazine work.
- 3.—They make all materials used in production, such as inks, half-tone and colour blocks, etc., in fact, everything with one exception, viz. paper.
- 4.—Not depending on outside firms for assistance of any kind, they produce more economically and quickly.
- 5.—They employ only the best designers who know just the Chemists' requirements.
- 6.—Only the best paper is used, and the gum is absolutely pure and is made under a special process which makes it more tenacious than any of the so-called pure gums.
- 7.—All correspondence is dealt with same day as received, and consequently there is no delay.

## National Autographic Tills.

This Style

**30/-**



This Style

**30/-**

[ 10 inches wide, 19 inches deep, and 8½ inches high. ]

The writing space on this Till is 4½ inches wide, and is ruled for four classes of transactions. Cash, Received on Acct., Charge and Paid Out.

*Write for our coloured illustrated Booklet No. 27 on Autographic Tills.*

The National Cash Register Co., Ltd.  
 225 Tottenham Court Road, London, W.  
 Telephone 7155 City (4 lines).

## ALMANACKS

FOR

**1913.**

**SEND FOR  
 SAMPLES.**

**JAMES TOWNSEND & SONS,**

Chemists' Printers,

**EXETER AND LONDON.**

**THESE LINES SELL WELL AND PAY WELL.**  
**YOU HAVE JUST TIME TO SECURE A SHARE OF THE SEASON'S TRADE. SEND NOW!**



**ELECTRIC POCKET  
FLASH LAMPS**

A well-made  
attractive line. From  
6/- per doz. complete  
with Refill and Battery.



**POCKET LAMP  
REFILL BATTERIES.**  
 British-made and Reliable.  
 From 2/10 per dozen.  
 Every type supplied.



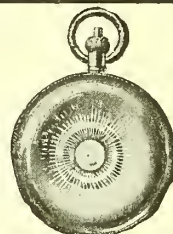
**Attractive Window Displays.  
Model Electric Fountains.**

A fancy tinted glass bowl, about  
12 in. diameter, is supplied,  
into which the water falls and  
is pumped up by the Electric  
Motor in the base. An excellent  
shop window attraction. Takes  
very little current and works  
well from a 4-volt accumulator.  
Price . . . 20/-  
Splendid range of Fountains  
from 2/-



**ELECTRIC  
SCARF PINS.**

Rapid selling novelty.  
Complete with Cord and  
Adapter.  
From 5/6 doz.  
Immense variety.  
See our Catalogue.



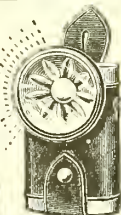
**THE PRESTO.**

A high-class well-made  
watch-shaped lamp. Gives  
brilliant light on pressing  
knob. 18/- doz.



**THE  
'ARISTO'  
WAIST-  
COAT  
POCKET  
LAMP**

Finished Gun Metal.  
Brilliant light.  
Price 2/-.



**PORTABLE  
INSPECTION  
LAMPS**

With leather  
covering and  
strap handle.  
Price 4/4.



**THE DAINTY  
WAISTCOAT  
POCKET LAMP**

Takes up no more  
space than a  
watch. Brilliant  
light. Covered  
real leather.  
Price 1/8 each.

**SEND NOW FOR  
TRADE TERMS. WE  
SUPPLY ADVER-  
TISING MATTER.**

**WARD & GOLDSTONE, Contractors to  
SALFORD, MANCHESTER. H.M. Government.  
Established 1892.**  
 Telephones: 7083-4-5 and 6. Central Telegrams: "MULTUM."



**Best Quality  
METAL  
FILAMENT  
POCKET  
LAMP  
BULBS.**

Per 100,  
25/6



**ELECTRIC  
TORCHES**  
from 13/4  
dozen.

Send for full list.

**THE "DELIA"  
MEDICAL COIL.**

In polished walnut  
case, with leather  
supporting handle.  
Fall-down front, fitted  
with two-way switch  
enabling use of one or  
two batteries. Auto-  
matically cuts off  
current when  
closed. Price 17/4.  
A large range of  
Medical  
Coils  
from  
12/-  
dozen.



**ALL KINDS DECORATED AND PLAIN**

# TINS

**FOR MANUFACTURING CHEMISTS.**

**Specialities:**

**HEALTH SALT TINS**

Vaseline, Ointment,  
Camphor Ice Boxes,  
Shaving Stick Cases,

**LIQUID METAL POLISH TINS.**

Up-to-date designs. High-class printing will  
increase your trade. Apply to—

The  
**Liverpool Tin Canister Co.**

**WALTON, LIVERPOOL.**

London Office: 7 Wilson St., E.C. Telephone: London Wall 7788.

**KAY BROTHERS, Ltd.**  
**STOCKPORT,**  
*Manufacturing Chemists.*

**BIRDLIMES and FLY GUMS** for all climates.

**FLYPAPERS,** } "Big Bat" & "Falcon" Brands.  
 Non-Poisonous.

**FLYCATCHERS,** } Spiral Wire, "Vampire."  
**TAPES & BANDS.** } Cavity Tape, "Flysac."  
 " " "Scorpion."  
 " " "Dragon."  
 { Roll Band, "Viper."  
 { (2 in. and 4 in. wide.)

**CEMENTS.** "COAGULINE" Transparent  
 Cement for broken articles, 6d. bots.  
 "TENASITINE." A Liquid Cement  
 in Tubes, 1d., 2d., 3d. & 6d.  
 "KLINX" Hydraulic Cement (heat-  
 proof), 6d. tins.  
 "CUE CEMENT," 6d. & 1/-.

**SANITARY FLUID.** For disinfecting and  
 deodorising. In Tins or Casks.

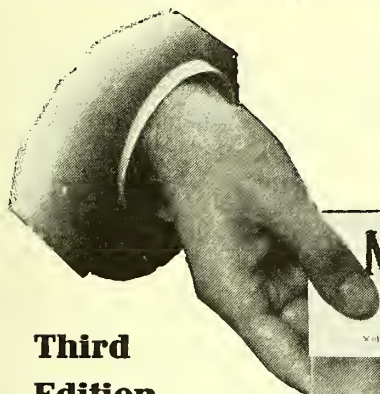
**"PULVICIDE"** (Patented). A Dustlaying Com-  
 pound. Agents wanted for its introduction to  
 Municipalities.

**"LINSEED COMPOUND."** (P.A.T.A.)  
 A Cough Mixture of over 40 years' proven excel-  
 lence.



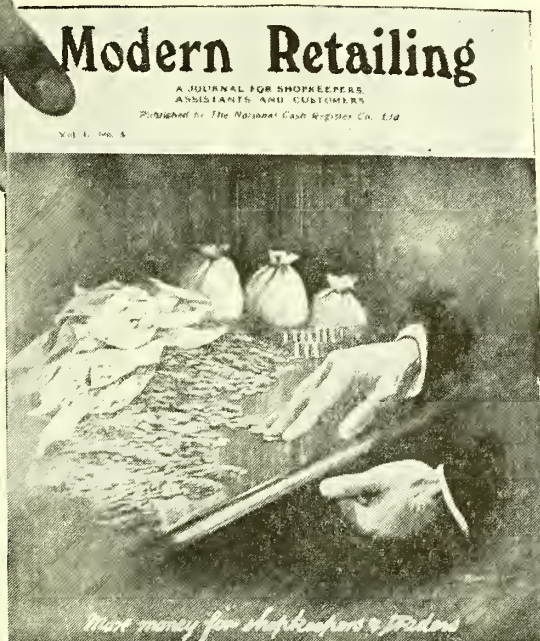
# A Copy for You

## Mr. Chemist.



**Third  
Edition  
Just  
Published.**

**80,000  
already  
issued.**



**FREE.**

Special Article, Page 3  
"Make Your Window Sell Goods"

The valuable hints this issue contains are **worth money** to you, Mr. Chemist.

Contents—"New Ideas for Old," "Chats with Shop Assistants," "Make your Windows Sell Goods," "Little Helps to Newspaper Advertising" by Thomas Russell. Systems for Shopkeepers. Money Prize Schemes for Shopkeepers and Assistants.

We have received a large number of letters of appreciation with reference to this issue. It's much better than previous ones.

**EVERY CHEMIST SHOULD HAVE A COPY.**

**Post Coupon to-day.**

The National Cash Register Co., Ltd.,  
225 Tottenham Court Road, London, W.

**COUPON.**

Dec. 7th.

Please send a copy of "Modern Retailing" Third Edition as advertised in "Chemist and Druggist."

Name \_\_\_\_\_

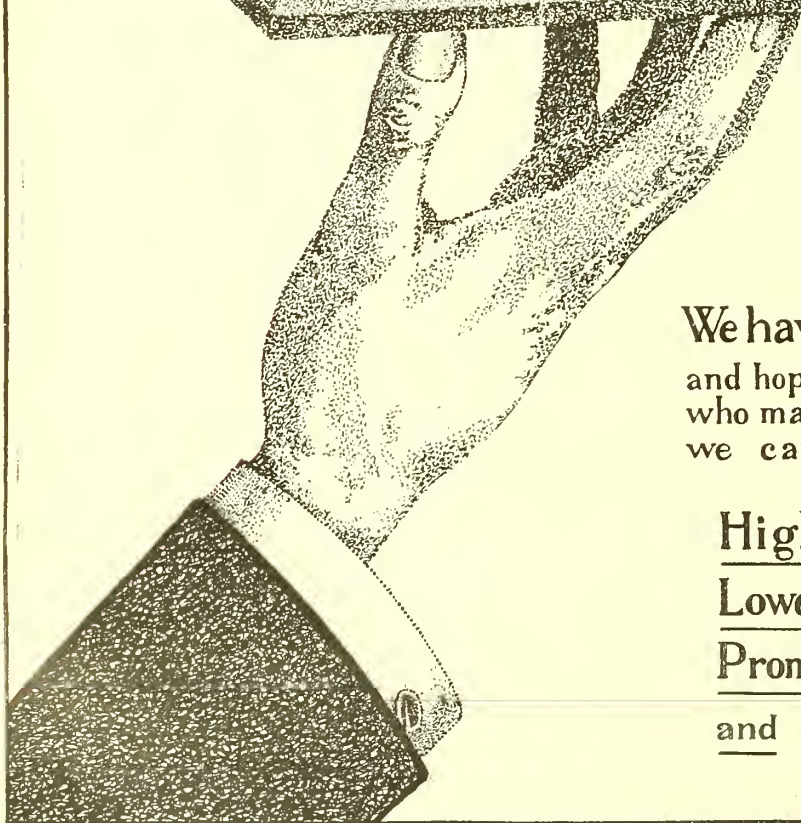
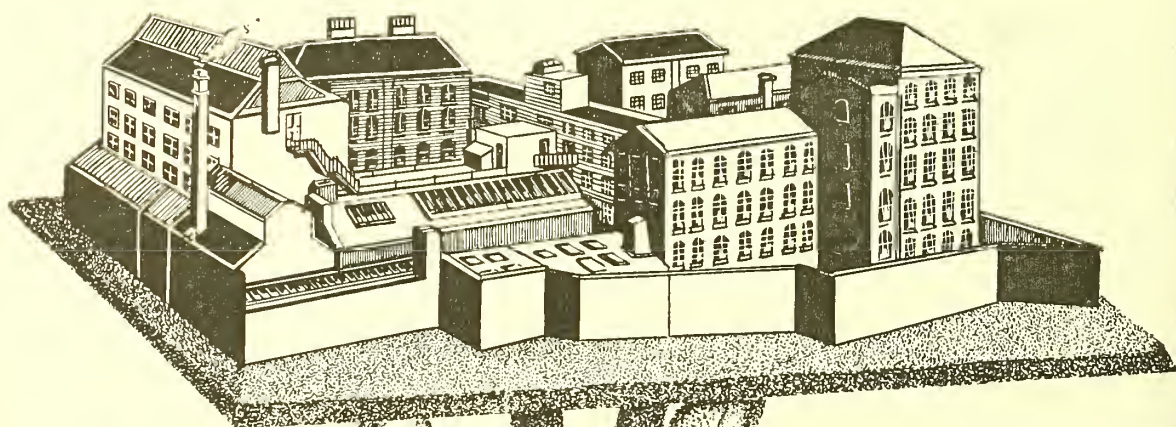
Business \_\_\_\_\_

Address \_\_\_\_\_

# *Sanger's*

*The Chemists' & Druggists'*  
**AREA OF ACTIVITY**

**258 Euston Road, London**  
*N.W.*



We have convinced Many  
and hope to persuade the few  
who may still be in doubt:-that  
we cannot be equalled for

High Quality Goods  
Lowest Possible Prices  
Promptness in Dispatch  
and Free Packages.



## The Seal of Satisfaction

There can be no greater proof of the merit of an article than the extent to which the Public use it. The merits of OSRAM Drawn Wire Lamps are universally recognised. They are used everywhere.

## OSRAM Drawn Wire LAMPS

have stood the test of time and long experience and earned the highest of all distinctions—universal public favour.

They are best for shop and factory lighting because they withstand any amount of vibration.

Best for home and office lighting because they are most economical.

Best for street lighting—in fact for all forms of illumination—because they give BETTER LIGHT than other lamps.

Ask your Electrician.

Sold by all electrical contractors, ironmongers, and stores.

Wholesale only:

THE GENERAL ELECTRIC CO., LTD., 67 Queen Victoria Street, London, E.C.



# Freeman's

When ordering supplies of Chlorodyne be sure to specify FREEMAN'S—the leading specific for Cholera, Dysentery, Diarrhoea, and kindred disorders. Praised by doctors and public all over the world. It pays you a very generous profit.

## FREEMAN'S

— ORIGINAL —

## CHLORODYNE

Usually retailed at 1/1½, 2/9, and 4/6 per bottle. P.A.T.A. prices to Home Trade—9/3, 24/- and 40/- per doz. Carriage paid on £5 lots. Prompt and careful attention given to EXPORT orders, with specially low terms. Foreign & Colonial Agents wanted where not represented. Write, FREEMAN'S CHLORODYNE, Ltd., London, S.E., Eng.



### Supply & Demand.

THE QUALITY OF

## GRIMSBY Emulsion

(WITH HYPOPHOSPHITES)

### HAS CREATED THE DEMAND

Daily inquiries are being dealt with as to where Grimsby Emulsion can be procured locally.

Agents Wanted in all towns where not already appointed.

GRIMSBY EMULSION IS RECOMMENDED & USED BY THE MEDICAL PROFESSION, NURSING HOMES, Etc.

It yields a profit of over 33 per cent. to the retailer.

Send for Trade Terms and Particulars of Agency. Correspondence Invited.

ATTRACTIVE ADVT. MATTER Supplied.

**FAIRBANK KIRBY,**  
Grimsby Emulsion Works, New Clee, GRIMSBY.



## THE LONDON COLLEGE OF PHARMACY

With which is incorporated the South London School of Pharmacy  
(founded by Dr. Muter in 1868).

Principals: { HENRY WOOTTON, B.Sc. (Lond.)  
{ ARTHUR KIRKLAND, Ph.C.

MINOR.—Next Complete Course of Lectures, Classes and Practical Work begins January 6th. Fee to April Examination 9½ guineas.  
MAJOR.—Next Course begins January 6th. Fee to April Examination 6½ guineas.

EVENING CLASSES (MINOR and MAJOR). Fee from 1 guinea per term of three months. Students can join at any time.

The number of Students who have passed the Pharmaceutical Examinations from the London College, since its establishment, exceeds that from any other school.

SEPTEMBER EXAMINATION, 1912.—14 London College Students passed, comprising nearly one-third of the total pass for England and Wales.

For Prospectus, &c., apply to The Secretary, LONDON COLLEGE OF CHEMISTRY AND PHARMACY, 361 Clapham Road, London, S.W.

## NORTH OF ENGLAND SCHOOL OF CHEMISTRY AND PHARMACY,

55 Northumberland St., Newcastle-on-Tyne.

Principal: J. STABLEFORD HILL, Ph.C.

Thorough Preparation for MINOR, MAJOR, and APOTHECARIES' HALL EXAMINATIONS.

## FEES MODERATE & INCLUSIVE

Application for Terms should be made to the PRINCIPAL.

## THE SCHOOL FOR SUCCESS!!

THE  
South of England College of Pharmacy.  
(Concilio et labore.)  
186 CLAPHAM ROAD, LONDON, S.W.

Principal—H. LUCAS, Ph.C. F.C.S.

Assistant Masters—H. E. ARCHER, Ph.C.; R. N. ASTON, M.P.S.

Examination Results, 1912—Passes, 55 (equalling 80% of presentation).

The next course of Lectures and Practical Work for the Minor commences on January 1st, 1913. Fee, till April Examination, 9 Guineas.

Evening Classes recommence January 1st, 1913. Fees from 1 Guinea per Term of 3 months.

Correspondence Tuition for town or country students. Fees from 1 guinea.

For all particulars, apply the Principal.

## Northern College of Pharmacy

100 & 102 BURLINGTON STREET, MANCHESTER.

(Founded by GEO. CLAYTON, F.C.S., in 1890.)

PRINCIPAL - E. G. BRYANT, F.C.S., Pharmaceutical Chemist,

Assisted by HARRY BERRY, Pharmaceutical Chemist.

At the recent examinations in London, the following gentlemen passed the Minor—

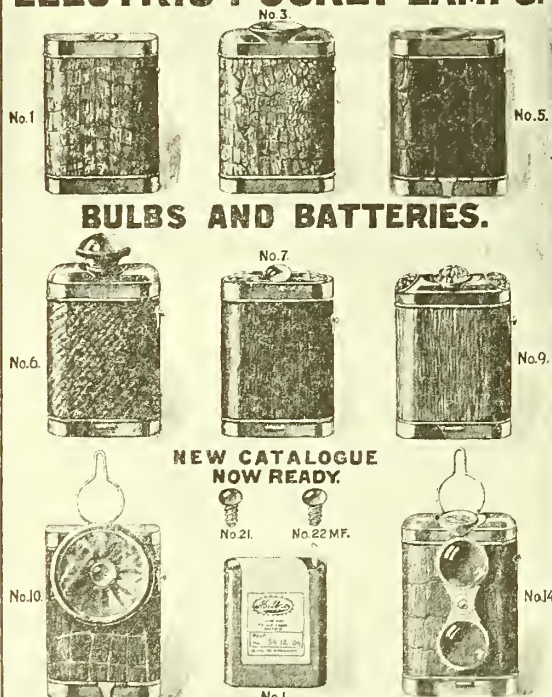
Mr. R. L. BALE, Manchester; Mr. G. H. COCKCROFT, Southport; Mr. H. DUTTON, Northwich; Mr. A. L. HARROP, St. Ann's-on-Sea; Mr. J. W. R. RICHARDSON, Hadfield; Mr. A. C. YEATES, Stourbridge.

These constitute 75% of the candidates from the College. 100% passed the first day.

In Edinburgh Mr. J. H. WILLIAMS, Manchester, passed.

Prospectus posted to any address.

## ELECTRIC POCKET LAMPS.

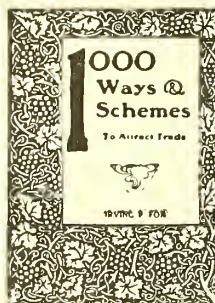


## BULBS AND BATTERIES.

NEW CATALOGUE NOW READY.

MILLARD BROTHERS, LTD.,  
123, HOUNDSDITCH, LONDON, E.C.

A new ad. each week.



### 1,000 WAYS AND SCHEMES TO ATTRACT TRADE.

This book is the result of over five years of observation and labour, and describes more than a thousand ideas that druggists and other tradesmen have successfully put into practice to increase their sales. Many of them have transformed losing businesses into profitable ones. Almost any one of them will bring you larger business and give you a bigger income. 208 pages 9½ x 7 and 120 illustrations. Printed on the best of white paper and bound in handsomely ornamented cover. Price, post paid, 4s.; with THE SPATULA 1 year, 8s.

**ONE THOUSAND FORMULAS.**—A compilation giving the practical working druggist full information about the making of one thousand of the most common and saleable preparations, by L. W. Marshall. Price 3s.; with THE SPATULA 1 year, 7s.

**SPATULA VETERINARY FORMULARY.**—A collection of practical formulas for all diseases common among horses, cattle, swine, poultry, and dogs, by L. W. Marshall, 2s.; with SPATULA 1 year, 6s.

**TOILET PREPARATIONS.**—A treatise on the manufacture of Casein Massage Creams, Complexion Creams, Cold Creams and Face Creams; Powders, Toilet Lotions, Camphor Ices, Bath Tablets, and other similar preparations, including hundreds of the latest and best formulas. Compiled and edited by L. W. Marshall. Price, post paid, 2s.; with THE SPATULA 1 year, 6s.

**FREE.**—We will send to any Chemist and Druggist in any part of the world, sending us his name and address on a postal card, a sample copy of THE SPATULA, one of the handsomest and most practical drug journals published, full of American vim and push, a 16-page illustrated catalogue of pharmaceutical books, and a beautiful picture in colours on heavy cardboard, 7½ x 9½ of the "Spatula Soda Water Girl."

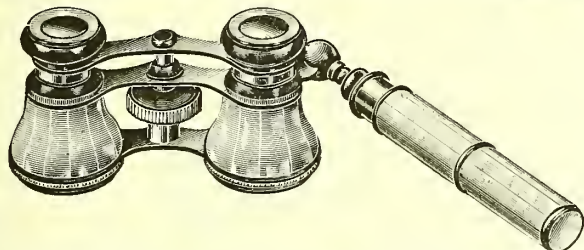
(Cheques on local banks in Great Britain accepted. Make Money Orders payable to IRVING P. FOX, Treasurer.)

THE SPATULA, 14 SUDBURY, BOSTON, MASS.



# F. DARTON & CO., WHOLESALE

CALL THE PARTICULAR ATTENTION OF ALL TO THEIR STOCK OF PRESENTS SUITABLE FOR THE SEASON. ELEGANT AND USEFUL. ADAPTABLE TO ALL CLASSES.



Opera Glasses, Japanned and Morocco Gilt and Fancy Leather, Pearl, with and without Handles, from 20/- each. Ditto with Telescopic Handle, assorted colour, Pearl, from 21/-

Special List with gross prices allowing substantial profits.

For full list apply at once for our Illustrated Catalogues of Opera, Field, Prism and Marine Glasses, Telescopes, &c., Spectacles and Eyeglasses, Reading and other Magnifying Glasses, sent post free to trade applicants only. Large stock of Ladies' Fancy Lorgnettes in Gold, Pearl, Tortoiseshell, Silver gilt, rolled gold always on hand.

We keep a SPECIAL STAFF of workmen with UP-TO-DATE MACHINERY for the CORRECT FITTING and ANALYSING of OCULISTS' PRESCRIPTIONS which are in most cases executed and MAILED BACK to sender by return post.

CHIEF WAREHOUSE:  
142 ST. JOHN STREET, LONDON, E.C.

Branch:  
52 CLERKENWELL ROAD,  
LONDON, E.C.

## DENTAL TOOLS & MATERIALS.

*Teeth, Rubbers, Anæsthetics, Chairs, Engines, etc.*

Low Prices. First Quality. NEW CATALOGUE POST FREE. Write for Quarterly Journal.  
C. J. PLUCKNETT & CO., LD., 29-30 Poland St., Oxford St., London, W.

## ROLL FILMS DEVELOPED

AND DESPATCHED DAY AFTER RECEIPT.

Express Developing Co.,  
86, High St., Whitechapel, E.C.

Speciality:  
Chemists'  
Enlargements  
and ALL  
Practical  
Photographic Work.

Contact  
Prints.  
Coloured  
Miniatures  
Post Cards  
Carbons

Send for Price List of our Profitable Chemists' Side Lines.

# WHY

we have confidence in advertising this department of the business

# IS

because we universally give satisfaction.

# EVANS

have their own works and with first-rate workmen have no hesitation in calling the work they turn out the

# BEST

and we can only call attention to the testimonials received this last four weeks

# FOR

a proof, and further ones can be sent and customer's name given when desired.

# Shop Fittings

Mr. J. E. R.—“I am pleased to say the work has given  
“every satisfaction, and I may say the workmanship  
“is splendid. Your fitter did his work very carefully  
“and in a complimentary manner. Any further  
“shop fittings I shall certainly give to you.”

D.M.—I am pleased to state that the fittings are to  
“my entire satisfaction and the stock very attractive  
“and well chosen.”

Dr. W.—“It will give me very great pleasure indeed to  
“send a testimonial on the completion of the alterations.  
“I fear, however, it will be difficult for me to express  
“how thoroughly pleased I am by the manner in which  
“the alterations have been designed and carried out.  
“It is no exaggeration to say that dozens of people  
“are every day complimenting me upon the splendid  
“appearance of the shop, both outside and inside.  
“Your fitters too are such finished workmen, and made  
“themselves so agreeable here, that contrary to the usual  
“custom, the staff here quite regretted their leaving.  
“I am having some gilding and painting done at present  
“and am glad to say that the fittings which we retain  
“in no way clash with the new, but give an excellent  
“general effect.”

## EVANS SONS LESCHER & WEBB LTD.

—LIVERPOOL AND LONDON.—

SHOP FITTINGS FACTORY—Ashworth Street, LIVERPOOL.



# AN IDEAL XMAS PRESENT

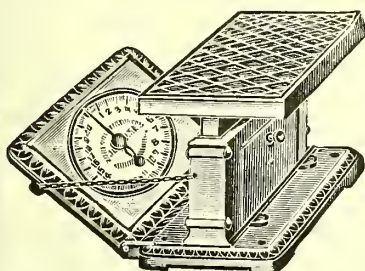
Beautifully finished in Cream and Gold,

Weights from 1 lb. to 20 stone.

Size  $11 \times 7\frac{1}{2} \times 8$  inches.

Weight of Machine, 18 lbs.

Invaluable for the Bathroom,  
Bedroom, Surgery, Institution,  
and Sick-room.



RETAIL PRICE, 22/6 EACH.

## THE "JARASO" PERSONAL WEIGHING MACHINE.

Patented in Great Britain and other Countries.  
(The smallest Personal Weighing Machine made.)

Weighs without Weights.

Automatic in Action.

GUARANTEED ACCURATE.

Write for Illustrated Booklet to—

**Albert C. Shoppee,**

*Wholesale Hardware  
Manufacturer:*

PANCRAS STREET, TOTTENHAM COURT ROAD,  
LONDON, W.C.

Why not take advantage of my advertisements  
which are appearing in 10 of the leading daily  
papers and magazines, and secure the trade  
which you would otherwise miss by not  
stocking this article?



LIBERAL TRADE TERMS.

## BRASS WINDOW & COUNTER FITTINGS

*Inquiries Invited.*

*Catalogues free on application to*

**PARNALL & SONS, LTD.,**

LONDON:

20 Bucklersbury, E.C.

**BRISTOL**

SWANSEA:

12 Alexandra Road. (1)

## Chemists' Shop Fittings

Window Enclosures, Plate Glass Shelves, Mirrors,  
Silent Salesman, Glass Showcases (every descrip-  
tion), Dispensing Screens, Drug Fittings, Wall-  
cases, Perfume Cases, Desks, Plate Glass Front  
Serving Counters, Counter Drawers, Shop Rounds,

**AT ABSOLUTELY LOWEST PRICES.**

You Can't do Better. 30 Years Fitting Pharmacies.

**GEORGE COOK, THE CHEMISTS' WORKING SHOPFITTER,**

30 BUTTESLAND STREET, EAST ROAD, N.

Sketches sent free.

Near Old Street Tube Station.

Testimonials from every customer.

GARDNER'S PATENT

## "RAPID" SIFTERS & MIXERS

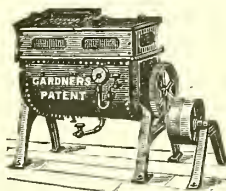
OVER 3,700 working in

Almost Every Trade where  
POWDERS are sifted and  
Mixed and Lumps Re-  
duced, all being done at  
one operation and without  
loss by dust.

FOR HAND OR POWER.

From 55/- to £90.

CATALOGUES FREE.



WM. GARDNER & SONS, Engineers, GLOUCESTER.

# W. EDWARDS & SON,

157 Queen Victoria Street,

239 &amp; 240 Upper Thames Street,

LONDON, E.C.

WHOLESALE AND EXPORT DEALERS IN

## Proprietary Medicines & Druggists' Sundries

English, American, French, &amp;c.

SOLE AGENTS FOR ROCHE'S HERBAL EMBROCATION,

Burchell's Anodyne Necklaces; Ford's Balsam of Horehound; Bertelli's Catramin Pills, &c.; Bovine, a perfect Invalids' Food; Pacita, remedy for Horses, Dogs, &c.; Balm of Bethesda; C. & A. Oldridge's Balm of Columbia; Gombault's Veterinary Preparations; the Oleusaban Eucalyptus Disinfectants; Clark's Neuralgic Tincture; Ibeson's Foot Rot Ointment; Woolley's Candy; Digena Tea; Seymour, Hamilton & Co.'s Preparations.

Special Agents for the Concentrated Liquors and other preparations of Messrs. Fletcher &amp; Fletcher.

PRICE LISTS SENT ON APPLICATION.

ORDERS CAREFULLY AND PROMPTLY EXECUTED.

Telegraphic Address—"MEDICINES LONDON."

Agencies undertaken on advantageous terms for Proprietary Articles and other goods.

Telephones No. 285 BANK &amp; No. 5698 Central.

TO USERS and DEALERS in METH. SPIRIT and SPIRIT OF WINE.  
FOR QUOTATIONS apply to—

### PRESTON'S LIVERPOOL DISTILLERY CO., LD.

The Largest Makers in the Kingdom.

BANKHALL DISTILLERY, SANDHILLS, LIVERPOOL. Office: 4 India B'ngs, Water St., Liverpool.

Work with-  
out system is  
labour lost.



On the Ucal Plan  
to-day's work  
brings cumulative  
results to-morrow

MR. PHARMACIST,

Has your business career as a Pharmacist been the success you anticipated?

**HAVE YOU SAVED MONEY?****ARE YOU SECURE FOR THE FUTURE?**

If not!! Don't you think it is time to consider whether or no you are working on the right system of business?

Suppose you investigate the Ucal Plan right away. It lessens expenses, it releases capital which would otherwise be tied up in stock. It protects selling prices, it protects profits and it protects your sales, thus enabling you to work on minimum expenses and earn maximum profits.

If you want your Pharmacy to become your pleasure and pride, just sit down and write to TUCAL, PRIORY COURT, CHELTENHAM, and learn how over 700 British Pharmacists are shaping their future.



SCIENTIA



DILIGENTIA

# BURGOYNE'S COMPRESSED TABLETS

COMBINE

PERFECT FINISH

WITH

ACCURATE DOSAGE.

They are prepared in our own laboratories from the finest ingredients only, are readily soluble or easily crushed, according to requirements.

*We shall be pleased to submit samples.*

BURGOYNE, BURBIDGES & CO.,  
Coleman Street, London, E.C.

Telegrams: "CYRIAX, AVE, LONDON."

Telephones: 3254 LONDON WALL (Four Lines).

**Seven Grands Prix in 1910 and 1911**  
at Brussels (2), London and Buenos Aires.

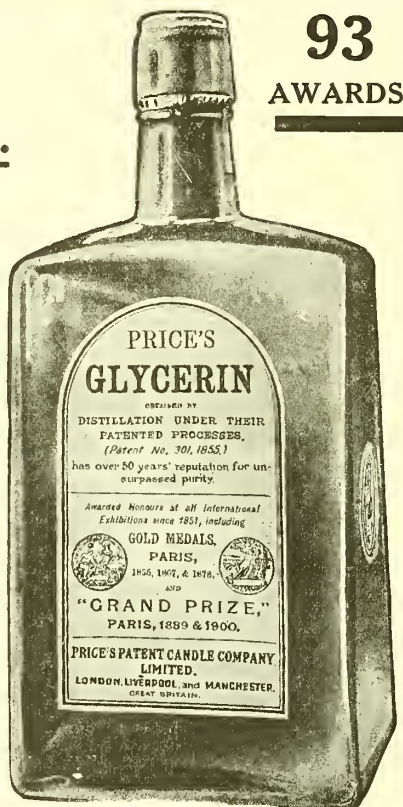
**Guaranteed Chemically Pure.**

Since its introduction in 1855

# PRICE'S GLYCERIN

has maintained an unrivalled position, and can be confidently recommended on account of its reputation for unsurpassed purity and for the uniformity of its quality.

**PRICE'S PATENT CANDLE COMPANY LIMITED, London, Liverpool, Manchester.**



**OVER 100% PROFIT  
ENSURED & PROTECTED (P.A.T.A.)**

for sellers of

## Laurence's Hair Dyes

**One solution, nine shades.**

A first-class article with an excellent demand, created entirely on its own merits, and carrying a first-class profit.

Size	Minimum retail.	Minimum wholesale.	
1/-	1/-	7/6	} per doz., less 5% discount.
1/6	1/6	9/-	
2/6	2/3	15/-	
3/6	3/3	21/-	

### SPECIAL BONUS.

Buyers of 3 doz. bottles receive 3 bottles gratis (may be assorted and any size).

Do. 6 doz. do. 8 bottles gratis.

Do. 12 doz. do. 18 bottles gratis.

Equivalent in the case of the size in most general demand, viz., 1/6 size, to 4/6, 12/- and 27/- respectively.

SOLE PROPRIETORS—

**C. R. HARKER, STAGG & MORGAN,  
DEVON WHARF, LTD.**

Emmott Street, Mile End, London, E.

## AMORETTE SOAP MARGONAL (Registered).

(MERCURY—ARSENIC SOAP)

For totally removing deformities caused by Syphilis, Scrofula, and Blood Diseases.

Tested and thoroughly approved.

Prices: 3/- and 8/-  
GOOD DISCOUNT TO TRADE.

MARGONAL CO., BERLIN SW. 47.



Wholesale **ALL BRITISH** Only.

## + CRÊPE BANDAGES. +

In various widths and qualities. Send for Samples, with Prices, and compare with any foreign production, to  
**The Norwich Crepe Co. (1856), Ltd., St. Augustines, Norwich,**  
who are acknowledged to be the only manufacturers in Great Britain.

We are the largest manufacturers of

## POWDER=PAPER

SHEETS,  
BOOKS,  
BLOCKS,



Best quality,  
lowest prices

Ask for free samples.

## KOPP & JOSEPH,

Perfumer, 122, Potsdamer Strasse,  
BERLIN, GERMANY.



By Appointment to  
H.M. King George V.



Buenos Aires, 1911,  
GRAND PRIX.

Turin, 1911,  
GRAND PRIX.

HIGHEST AWARDS.



**GENUINE**  
**EAU DE COLOGNE**

is known throughout the world by the label on the bottle as shown herewith. Attention is drawn to the No. 4, which is the number of Johann Maria Farina's Factory Place, viz., Julichs Platz No. 4, in the city of Cologne on the Rhine.

Wholesale Agents:  
**FICKUS,**  
**COURTENAY & CO., Ltd.**  
36 Sackville St., Pimlico, W.

In Charming Cut Crystal Bottles, 5 shillings from 2/6.



A Perfume  
of Refined and  
Subtle Fragrance, of  
Distinctive Character, remarkable  
for its Novelty and Delicacy.

**DIVINIA**

*The Favourite Perfume  
of the Fashionable World.*

Gold Medal,  
Paris, 1900.

Grand Prix,  
St. Louis, 1904.

Sole Makers - **F. WOLFF & SOHN,**

LONDON, PARIS, KARLSRUHE,  
Wholesale - 82 Hatton Garden, E.C.

Sold by Chemists.

**CHUIT, NAEF & CO.,**  
**GENEVA (Switzerland).**

**M. NAEF & CO. Succrs.**

MANUFACTURERS OF

**SYNTHETIC & AROMATIC CHEMICALS**

INVITE SPECIAL ATTENTION TO  
THE FOLLOWING PRODUCTS:

**Cyclosia** new base for floral odours.

**Cyclamen N.** yields the true odour  
of the Cyclamen blossoms.

**Oil of Bergamot C.N.C. synth.**  
Excellent and best substitute for the  
natural oil.

**Rose Orient** delicious and wonderful  
substitute for the Bulgarian Otto of  
Roses.

**Oils of Violet (art.)** All grades for  
perfumes and soaps.

**Iralia 100%** for new and lasting per-  
fumes.

**Pelargonina.** Artificial Oil of Geranium  
with leaf effect.

Agents:

**E. N. FRANKENSTEIN,** Ropemaker Street, Finsbury, LONDON, E.C.  
**A. BEROU** 11 Rue du Perche, PARIS, 3e Arrt.  
**UNGERER & CO. (Inc.)** 275 Pearl Street, NEW YORK.

Samples and Price Lists sent on application.

# TRY IT IN YOUR BATH

# SCRUBB'S AMMONIA

BY APPOINTMENT TO H.M. THE KING.

## MARVELLOUS PREPARATION

Refreshing as a Turkish Bath. Invaluable for Toilet Purposes.  
 Splendid Cleansing Preparation for the Hair. Removes Stains and Grease Spots from Clothing.  
 Allays the Irritation caused by Mosquito Bites. Invigorating in Hot Climates.  
 Restores the Colour to Carpets. Cleans Plate and Jewellery. Softens Hard Water.

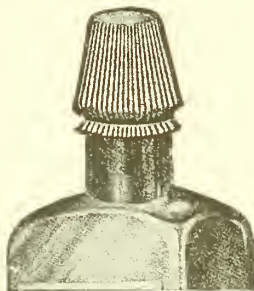
Of all Chemists, Etc. Price 1s. per Bottle.

SCRUBB & CO., LTD., GUILDFORD STREET, LONDON, S.E.

### REDUCED PRICES OF

## PLEATED BOTTLE CAPS.

The best in Quality and Cheapest on the Market. 20 Years' Reputation.



Nos. 0, 1, 2, 3, 3b, 10, 20, 30 for Phials	4d. per gross	Nos. 6, 6b, 60 for Pints	5d. per gross
" 4, 4b, 40 for 3 to 6 oz. Bottles	4d. "	" 39 for Winchester Quarts	7d. "
" 5, 5b, 50 for 8 to 10 oz. "	5d. "	" 8, Long, for Wines	9d. "

ELASTIC BANDS: Small. 3d. per gross; Large, 4d. per gross.

FROM

WHOLESALE AND EXPORT ONLY.

**DARTER, WILKINSON & CO.,** 23, 24, 25 Sandland Street, and  
 3, 4, and 5 Gray's Inn Passage,  
 HIGH HOLBORN, LONDON, W.C.

Also Manufacturers of Dish and Dessert Papers, Ham Wrills, Ple Collars, Soufflet Cases, etc., etc.

THE

## KOH-I-NOOR

### TOOTH-BRUSHES



- ☞ Are made in three degrees of stiffness to suit the ideas of customers.
- ☞ The handles are flexible and of various colours and shapes.
- ☞ In their manufacture only the best materials are used and the finish is the finest on the market.
- ☞ Unlike the ordinary tooth-brush, the bristles do not come out.
- ☞ It is practically impossible to pull out the bristles from a "Koh-i-Noor" even by force.
- ☞ Thus you can safely recommend them to your customers and obviate complaints.

**ASK YOUR  
 WHOLESALE  
 HOUSE**

for them and also for a  
 supply of "Koh-i-Noor"  
 Showcards.

## BARNETTS

## PERFUMES & COLD CREAM

STAND UNRIVALLED.

Samples and Prices (in bulk) on Application.

**BARNETTS PERFUMERY LTD.,**

126/128 Bristol Street, BIRMINGHAM.

## O'KELL'S ORIGINAL

## MONA BOUQUET.

(First introduced by the late JOSEPH O'KELL).

Registered Trade Mark, "DOUGLAS PIER."

The most popular and best-selling perfume in the market.  
 Retail Prices ... 1/-, 1/6, 3/6, 6/-, 7/6, 10/6, per Bottle,  
**ALSO 3d. SAMPLE BOTTLES.**

Shippers and Wholesale Buyers supplied on the best terms by  
**THOMAS WEST & SON,** 1187 Chester Road, **MANCHESTER**  
 Streteford.



# PARKE DAVIS & CO'S PRODUCTS

## Sell well & Pay well

They are approved by the medical profession. They will satisfy your customers, and above all, they afford you a living profit.

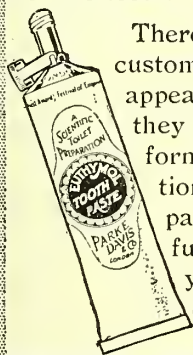
*Recommend the goods that will enhance your reputation for quality.*

### THESE TWO P.A.T.A. LINES ARE "SELLERS"

## Euthymol TOOTH PASTE

In the tube with the Captive Cap.

Eminent bacteriologists have shown that in the strength usually applied to the teeth, EUTHYMOL TOOTH PASTE is capable of killing not only the organisms which cause dental decay, but also those of typhoid and diphtheria. It is something new to be able to tell a customer what a dentifrice can do in addition to polishing the exposed surfaces of the teeth.



There is satisfaction to your customer because the facts will appeal to his intelligence whilst they afford him interesting information; there is satisfaction to you because the imparting of definite and useful information secures your customer's confidence and goodwill.

## Cod Liver Oil Emulsion (33%)

In the discussion at the 1912 B.M.A. Meeting reported in the B.M.J., 21/9/12, attention was drawn to the value of cod liver oil in phthisis. One of the most important points insisted on was that only an oil prepared under conditions which prevent liability to oxidation should be used. In the P., D. & Co. 33% Emulsion the finest Norwegian cod liver oil is employed.

We have adopted special means whereby we practically eliminate the possibility of oxidation until the bottles are opened. These precautions ensure an inseparable and thoroughly satisfactory emulsion. We shall be glad to co-operate with you in the sale of this product, and invite your correspondence.



PARKE DAVIS & CO BEAK ST  
REGENT ST. LONDON, W.



# A POWERFUL NERVE AND BRAIN FOOD

# VISEM

(Seed of Strength)

VISEM consists of milk casein and whey powder, with 3% of pure lecithin-ovo and 3% of glycerophosphate of soda. The casein used is made from milk produced on some of the finest pastures in the Kingdom, by a special process which yields a pleasant flavour, and retains the proteins in a soluble state. It is also rich in soluble organic phosphorus.

VISEM is made up in the form of tablets, which are eaten like biscuits. These tablets can be taken at any time and under any circumstances, and are obviously more convenient than preparations which have to be dissolved in hot water, milk, &c. It has an agreeable flavour which is distinctly superior to that of any other casein preparation.

VISEM is being largely and effectively advertised in the great national newspapers.

VISEM is also extensively advertised in the medical journals and doctors are largely prescribing it.

Beautiful showcards and interesting literature will be supplied to the trade.

**Price 13/6 per dozen boxes.**

P.A.T.A. Minimum re-selling price 1/6 per box.

**APLIN & BARRETT, etc., LTD.,** Yeovil, Somerset,  
and 33 Park Road, Battersea Park, London, S.W.

(WHOLESALE DISTRIBUTORS FOR ST. IVEL, LTD.)

## GOOD! IT'S MASON'S

### The Drink for the Masses

Millions of glasses used daily  
by workers all over the Empire

Please allow us to Sample and Quote—



**Citrate Magnesia**

**Health Salt**

**Salines**

**Liver Salt**

**Blood Salt**

**Sulph. & Sarsap. Salt**

**Lemonade**

**Crystals, &c.**

**NEWBALL & MASON**  
NOTTINGHAM

## Lofthouse & Saltmer, Ltd.

— Wholesale and Export Drug —  
Merchants, Manufacturing Chemists,

**HULL,**

invite the attention of the Trade to the following well-tried preparations, which carry a big P.A.T.A. retail protected profit, and are well known and valued by the public in many parts of the country.

<b>Losall's Asthma Remedy.</b>	PROTECTED RETAIL PRICE	DOZ. NET.
Very effective Remedy for Asthma, Bronchitis, &c.	1/-	7/6

<b>Losall's Salt.</b>	6d.	3/6
The popular Remedy for Eczema, Gout, Rheumatism, and Biliousness. Well advertised.	1/-	7/-
	1/6	10/6

<b>Losall's Compound Sulphur Soap.</b>	1/-	8/-
A valuable emollient medicated Skin Soap, especially for use in Eczema cases.		

<b>Losall's Ball Room Floor Polish.</b>	1/-	7/-
Produces a smooth surface beneath the Dancers' feet. No dust.		

<b>Malted Food.</b>		
Usual 1/- size, lever lid tins, name and address free on 3 dozen. Special design label, with name and address on gross orders, if desired.	—	4/6

London Agents: **F. NEWBERRY & SONS, Ltd.**





# N.B.



## DRUGGISTS' SUNDRIES

We hold one of the most complete stocks in the United Kingdom, hence prompt delivery is ensured and carriage saved, being sent carriage paid with other goods—dead and damaged stock is thus provided against.

Prices are favourable and quality of the highest.

Send for complete list, 150 pages fully illustrated. Easy of reference.

**Evans Sons Lescher & Webb, Ltd.**  
LIVERPOOL & LONDON.

## SEIDLITZ POWDER BOXES

We always carry a large stock of  
Seidlitz Boxes in all styles.

ASK FOR SAMPLES  
of our three most Popular Lines—

**THE WHITE "EMBOSSSED"**

**THE "DAINTY"**

**THE "POPULAR"**

*"First Class Boxes at  
a Moderate Price."*



WHITE "EMBOSSSED."  
THE "DAINTY." THE "POPULAR."

TELEGRAMS:  
"BOXES."

**ROBINSON & SONS, Ltd.**  
BOX MAKERS,  
**CHESTERFIELD.**

TELEPHONE:  
No. 4.

# THE CHEMIST & DRUGGIST

WINTER ISSUE

PRICE LISTS  
& CIRCULARS  
INSERTED

*For terms  
apply to  
The Publisher  
42, Cannon St.  
London.*

E.C.

Jan. 25, 1913

ESTAB. 1859



CALENDAR SERIES 36



THRESHING, WINNOWER AND SIFTING. From an Early MS.

December



"He that wolde keepe Nought but  
fine Wheat in the Barn must  
thresh lustilie and winnow  
throughlie."

TRADE 'TABLOID' MARK  
BRAND

FIRST-AID

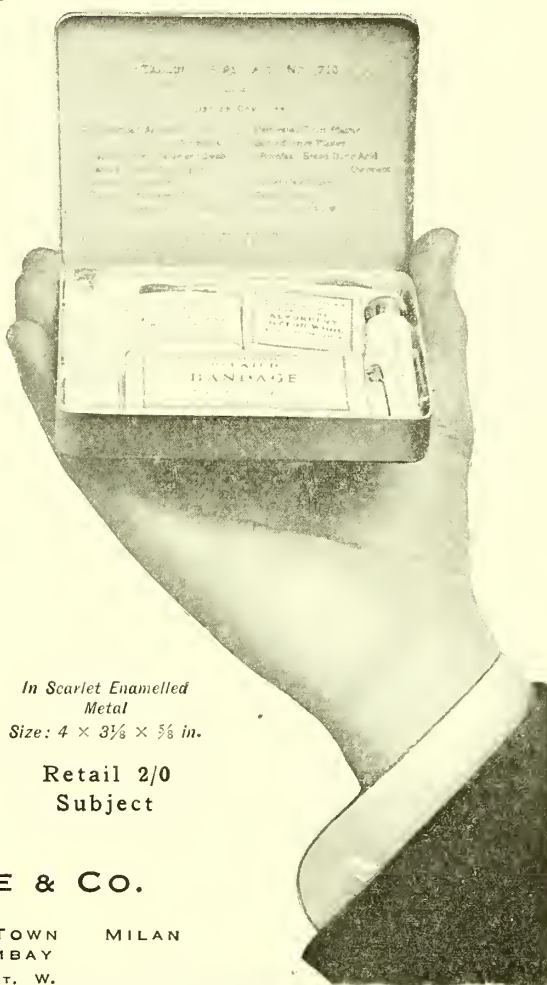
No. 710 (Pocket-Outfit)

There will be many buyers looking  
round for a Xmas Gift that will delight  
the heart of a boy scout.

This attractive and serviceable little  
equipment gives the Chemist the op-  
portunity of securing the business.  
It should be displayed prominently  
in the window and on the counter.

Motorists and all kinds of sportsmen  
will, also, be attracted by it.

A Profitable  
Xmas item



In Scarlet Enamelled  
Metal

Size:  $4 \times 3\frac{1}{2} \times \frac{5}{8}$  in.

Retail 2/0  
Subject



BURROUGHS WELLCOME & CO.  
LONDON

NEW YORK MONTREAL SYDNEY CAPE TOWN MILAN  
SHANGHAI BUENOS AIRES BOMBAY

London Exhibition Room: 54, WIGMORE STREET, W.

All communications intended for the Head Office should be addressed to Snow Hill Buildings, London, E.C.

COPYRIGHT

## Capsules and Perles



BRAND

HAND-MADE OR MACHINE-MADE.

The gelatine is sterilised.

The envelope flexible, of uniform thickness, and readily soluble  
so that

The capsule is easily swallowed, and promptly discharges its contents.

## Compressed Tablets



BRAND.

For administration by the mouth, and hypodermically. Plain, sugar coated white or coloured, chocolate coated.

The degree of compression employed is proportionate to the purpose for which the tablet is to be administered. The ingredients are compounded so as to ensure rapid solution, or disintegration, according to requirement

## Tablets with Chocolate Basis



BRAND.

Disguise the taste of the medicament when chewed by children—calomel, grey powder, phenolphthalein, and santonin.

Both capsules and tablets are uniform in size, and of perfect finish.

A large stock of each is kept of those in general demand.

Prescriptions and private formulæ receive immediate attention.

Each department is equipped with machinery embodying the latest improvements for the manufacture of these products.

THE BRITISH DRUG HOUSES, LTD.,  
LONDON, N.





**A Weekly Journal of the Chemical and Drug Trades**  
and of  
**British Pharmacists throughout the Empire.**  
ESTABLISHED 1859.

The CHEMIST AND DRUGGIST is the leading journal addressing the chemical and drug trades of the British Empire. It is adopted as an official journal by nineteen Chemists' Societies in Australia, Ireland, New Zealand, South Africa and the West Indies, and its paid-in-advance circulation in Great Britain and all Countries having business relations with the British Empire is intrinsically and numerically unique.

#### Subscription Rates.

Ten shillings a year in advance, post free to any part of the world, including a copy of *The Chemists' and Druggists' Diary* next published. Subscriptions may begin any month. Single copy, 6d.; Summer or Winter Number, 1s.; *Diary*, 8s. 6d. Postal orders and cheques to be crossed "Martin's Bank (Limited)."

Prix de l'abonnement annuel: le journal une fois par semaine, et l'agenda une fois par an, 12/60 francs, franco.

Jährlicher Abonnementspreis: die Zeitung einmal wöchentlich, und der Notizkalender einmal im Jahre, 10 Mark, postfrei.

Precio de sucripción anual: el periódico una vez por semana, y el agenda una vez por año, 12.00 pesetas, franco.

Terms for advertising in THE CHEMIST AND DRUGGIST can be obtained on application to the Publisher at the

**Head Office: 42 CANNON STREET, LONDON, E.C.**  
Telegrams: "Chemicus Cannon London." Telephone 852 Bank (two lines).  
**Branches: ADELAIDE, MELBOURNE, AND SYDNEY. AUST.**

### CONTENTS: Vol. LXXXI., No. 23 (Series No. 1715).

[The folios in this List and in the Summary are those at the top of the pages, but references in the Text are to the Index folios at the bottom of the pages.]

	PAGE		PAGE
Births .....	40	Insurance .....	51
Business Changes .....	40	Benefit .....	51
Canadian News .....	37	Irish News .....	35
Companies and Company		Legal Reports .....	38
News .....	39	Marriages .....	40
Correspondence:		National Health Insur-	
Letters .....	61	ance .....	51
Subscribers' Sympo-		Observations and Reflec-	
sium .....	63	tions .....	47
Miscellaneous Inquiries	63	P.A.T.A. ....	43
Deaths .....	40	Personalities .....	56
Doctors and Drugs .....	57	Pharmaceutical Society	
Editorial Articles:		of Great Britain:	
The Opium Convention	48	Council-meeting .....	42
Post-graduate Lectures	49	Retrospect .....	64
A New View of Tuber-		Scottish News .....	36
culosis .....	49	Society of Chemical	
English and Welsh News	34	Industry .....	44
Festivities .....	55	South African News	37
French News .....	36	Sugar from Wood .....	44
Gas Residuals .....	45	Trade Notes .....	41
Gazette .....	39	Trade Report .....	57
General Medical Council	56	Westminster Wisdom	46
Information Department	46	Winter Session .....	53

#### In the Coloured Supplement.

Coming Events.	Medical Benefit
Four Decades.	Regulations.

### BEFORE THE HOLIDAYS

at Christmas and New Year there are always lots of little things to look into. Your schemes for the New Year must be thought out in order that you may begin operations without delay. One of the most important business assets nowadays is advertising, and drug-trade suppliers and distributors know this well. There is urgent need, therefore, to

### GET YOUR INSET READY

for the Winter Issue of THE CHEMIST AND DRUGGIST, which is to be published on January 25, 1913. You will get expert advice and assistance in the preparation and distribution of insets from the Publisher, THE CHEMIST AND DRUGGIST, 42 Cannon Street, London, E.C.

## SUMMARY OF THIS ISSUE.

The more notable items only are dealt with.

### National Health Insurance.

The medical arrangements for the first quarter are described on p. 50.

The Insurance Commissioners issued on Thursday evening: (1) Revised Regulations as to Administration of Medical Benefit; (2) A Memorandum as to Medical Benefit; (3) A Circular to Insurance Committees as to the Administration of Medical Benefit; and (4) Model Letter of Invitation from Insurance Committees to registered medical practitioners in their areas. These documents are the outcome of the decisions announced by the Chancellor of the Exchequer on October 23, together with the decision of the Government on the points submitted by the five representatives of the British Medical Association subsequent to that announcement. They are summarised on p. 51 and in the Coloured Supplement.

### Articles and Communications.

Interesting observations on the extraction and preservation of intestinal enzymes are contained in a paper reported on p. 44.

Mr. A. Zimmermann's lecture to the Society of Arts on the manufacture of sugar from wood is reported, with a portrait, on p. 44.

Professor Metchnikoff is of opinion that tuberculosis affects 90 per cent. of the population, but in most cases passes unnoticed and confers a degree of immunity (p. 49).

The Opium Convention is the subject of a White Paper, which we summarise, especially in connection with the proposed restrictions on cocaine and morphine (p. 48).

"X-rayser II." discusses Mr. J. C. Umney's evidence, adulteration of drugs in India, distribution of quinine in the East, Pythagoras, and a monograph on pomanders (p. 47).

### News of the Week.

The names of the new Councillors of the P.A.T.A. are given on p. 43.

Digests of the reports of Lewis & Burrows, Ltd., and of S. F. Goss, Ltd., are given on p. 39.

Sir W. J. Baxter has been re-elected President of the Pharmaceutical Society of Ireland, and Mr. D. M. Watson Vice-President (p. 35).

The Joint Committee on Gas Residuals continued its meetings this week, when the evidence of the gas authorities was continued (p. 45).

Some particulars of the life of the late Mr. Benjamin Biggs, the oldest methylator in this country, are given on p. 40, including particulars of his share in the introduction of methylated spirit.

The legal cases reported include decisions regarding an area restriction agreement, the oil of male fern case, the carriage of empty benzene drums, and a conviction under the Dentists Act (p. 38).

The concluding day of the autumn session of the General Medical Council is reported on p. 57. It is stated that the British Pharmacopoeia is selling so well that a reprint may be needed before the new edition is ready.

The leading topic at the Pharmaceutical Council meeting in London this week was the post-graduate lectures, as to which the Vice-President made a statement (p. 42). We have some misgiving in regard to the change which this indicates (p. 49).

### Trade and Market Matters.

Chloroform, industrial and mineralised spirit, phenacetin, sandalwood oil, lobelia, and turpentine are dearer. Cream of tartar, menthol, theobromine, quicksilver (official), tartaric acid, English castor oil, caraway-seed, jalap, and resin are more or less cheaper; an advance in santonium expected (p. 57).

### To Present and Potential Subscribers.

This is the best time of the year to begin subscribing to THE CHEMIST AND DRUGGIST, for all whose subscriptions are in force in December get a copy of our 1913 *Diary*, which will be the biggest and best of the series. A postal order for 10s. pays for a year's supply of the C. & D. weekly and the *Diary*. Send early so that prompt delivery of the *Diary* may be ensured.

## ENGLISH AND WELSH NEWS.

When sending newspapers to the Editor please mark the items of news to which you desire to call his attention.

### Brevities.

At Aberayron the medicated-wine licence held by Mr. Wm. James Evans, of the Tymawr Drug Stores, New Quay, was transferred to Mr. Wm. Henry Evans.

The Merioneth County Council has received applications for poison-licences from Mr. F. D. Davies, of Llettyfadog, Ffestiniog, and Mr. M. Evans, of Liverpool House, Ffestiniog. These are to be granted.

The new pharmacology laboratories at the University College, Gower Street, London, W.C., were formally opened on Wednesday, December 4, by Sir James Barlow, President of the Royal College of Physicians.

In the Aldershot window-dressing competition the first prize in the chemists' class was awarded to Boots, Ltd., 21 Wellington Street, and the second to Mr. E. H. Orange, 25 High Street. The judging was done by a committee of ladies.

Damage amounting to between 3,000*l.* and 4,000*l.* was caused by a fire at the works of Messrs. H. D. Pochin & Co., Ltd., manufacturing chemists, Bank Quay, Warrington, on the night of November 28. The alum-plant was badly damaged. The loss is covered by insurance.

The London County Council on December 2, on the application of Allen & Hanburys, Ltd., consented to the retention of a projecting sign at 48 Wigmore Street. They also allowed the retention of a shop fascia at 182 Regent Street, on the application of Boots, Ltd.

At the Institute of Chemistry's Final examination for the Associateship in the branch of Biological Chemistry, held on October 14 to 18, the following candidates passed: Robert Philip Keith, Royal Technical College, Glasgow; Eric Richards, B.Sc. (for Fellowship); and Frederic Robinson, M.Sc., Municipal School of Technology, Manchester.

"Lady Huntworth's Experiment" was staged by the Rhyl Amateur Dramatic Society on November 29. Mr. P. J. Ashfield, chemist and druggist, who is secretary of the society, again carried the duties of manager to perfection. The local Press also states that Mr. Ashfield's impersonation of Captain Jack Dorvaston "delighted the house immeasurably."

The lecture arrangements of the Royal Institution include a course of six experimentally illustrated lectures by Professor Sir James Dewar, as follows: Alchemy, December 28; Atoms, December 31; Light, January 2; Clouds, January 4; Meteorites, January 7; Frozen Worlds, January 9. Professor W. Bateson will deliver six lectures on "The Heredity of Sex and some Cognate Problems"; Professor H. H. Turner, three lectures on "The Movements of the Stars"; Mr. W. B. Hardy, two lectures on "Surface Energy"; and Professor Sir J. J. Thomson, six lectures on "The Properties and Constitution of the Atom." The Friday evening meetings will commence on January 17, when Professor Sir J. J. Thomson will deliver a discourse on "Further Applications of the Method of Positive Rays." Succeeding discourses will be given by Professor J. O. Arnold, Mr. G. M. Trevelyan, Sir John Murray, Professor A. Gray, Mr. S. U. Pickering, Mr. C. T. R. Wilson, Professor the Hon. R. J. Strutt, and Dr. A. E. H. Tutton.

### Dispensers' Salaries.

The Local Government Board has sanctioned an increase in the salary of Mr. E. Darch, as dispenser of Montford House Relief Station, Lambeth, from 110*l.* to 120*l.* per annum (*C. & D.*, November 9, index folio 703).

The Lambeth Guardians have again considered the salary and emoluments of Mr. P. S. Thomas, dispenser, owing to Mr. C. H. Baldwin calling the Board's attention to the fact that Mr. Thomas had saved them hundreds of pounds. The Infirmary Committee reported that a gratuity of 5*l.* in respect of additional duties performed by Mr. Thomas in connection with the inauguration of

the central drug-stores was awaiting the sanction of the Local Government Board, and that the Guardians some months ago adopted a proposal that he should receive an extra 20*l.* on taking over the dispensing of medicine for the poor of two more out-districts. The committee suggested, without prejudice to the foregoing decision, that a favourable opportunity to reconsider the whole question as to the salary and duties of Mr. Thomas would present itself when the fresh arrangement became effective. Mr. Thomas's present salary is 180*l.* a year. The report was adopted without discussion.

### Dominions Commission.

Sir Edgar Vincent, K.C.M.G., has been appointed Chairman of the Dominions Commission, on the retirement of the Right Hon. Arnold Morley, who, under medical advice, has resigned the post. Sir Alfred Bateman, K.C.M.G., has also been appointed a member of the Commission, and Mr. Douglas Orme Malcolm as Secretary, in place of Mr. William Arthur Robinson, appointed Assistant Secretary to his Majesty's Office of Works and Public Buildings.

### Contracts.

Metropolitan Asylums Board.—J. G. Ingram & Sons, for a supply of 2,000 yards of waterproof sheeting.

London County Council.—For first-aid and nursing appliances: Arthur Berliner, 37*l.*; Cuxson, Gerrard & Co., Ltd., Oldbury, 25*l.*; Harrington Bros., Ltd., 8*l.*; S. Maw, Son & Sons, 13*l.*; B. Pratt & Co., 47*l.*; Robinson & Sons, Ltd., Chesterfield, 115*l.*; Sangers, 150*l.*; T. J. Smith & Nephew, Hull, 20*l.* Indiarubber, rubber sheet, etc.: L. Andrew & Co., 37*l.*; J. E. Baxter & Co., Ltd., 446*l.*; P. B. Cow & Co., 10*l.*; James Lyne Hancock, Ltd., 44*l.*; Irwell and Eastern Rubber Co., Ltd., 163*l.*; Chas. Macintosh & Co., Ltd., 138*l.*; George MacLellan & Co., 352*l.* (quantities not given for certain items): Midland Rubber Co., Ltd., 24*l.*; Perry & Co., Ltd., 137*l.*; Pirelli, Ltd., 12*l.*; Poppe & Co., 82*l.*; Wm. Rose Hose Co., Ltd., 16*l.* (quantities not given for certain items). Soap: Palmer & Co., Ltd., 622*l.*

### Analysts' Affairs.

The only two drug samples analysed in Berkshire last quarter were returned as genuine.

Seven drug-samples taken for analysis in Bermondsey recently were found to be genuine.

None of the 169 samples submitted for analysis in Camberwell last quarter were drugs.

Two samples each of camphorated oil and saffron taken in Hull last month were certified by the analyst (Mr. A. R. Tankard) as genuine.

The Middlesex County analyst, in his last quarterly report, states that twenty-five samples of borax, one of boric acid, and one of calcium acid phosphate were examined. Three borax samples contained traces of arsenic, and a considerable quantity was found in another sample. The calcium acid phosphate contained 26 per cent. excess of phosphate of lime. The remaining samples were genuine.

On behalf of the Islington Guardians, one sample each of the following drugs selected by the Liverpool Road and St. John's Road Outdoor Dispensary Committee were analysed by Dr. A. W. Stokes: Compound spirit of ammonia, solution of bismuth and citrate of ammonia, liniment of turpentine, tincture of senega, extract of liquorice, and tincture of ginger. All were reported to be in accordance with pharmacopoeial requirements.

The City of London analyst, Dr. F. L. Teed, reports that the following samples taken during the quarter ended September 30 were genuine: Olive oil, 22; compound liquorice-powder, 7; boric-acid ointment, 6; compound rhubarb pills, 4; vinegar, 4; zinc ointment, 3; mustard, 3; camphorated oil, 1; cream of tartar, 1. Two samples of olive oil were reported against as containing 20 per cent. and 50 per cent. of arachis oil. The proceedings against the vendor of the latter sample were dismissed on production of warranty. A vinegar sample was 37 per cent. deficient in acetic acid, a fine of 20*s.*, with 18*s.* 6*d.* expenses, being imposed in this case.



**Liverpool University.**

At the meeting of the University Court on November 30 Sir John Brunner (pro-Chancellor) said they were faced with the alternative of extending the chemical laboratory or of excluding students. It would be specially difficult to house research students who are coming to them in large numbers. More room could only be efficiently and economically found by adding another storey to the present building at a cost of 7,000*l.* The Vice-Chancellor, in his annual report, stated, in reference to *materia medica* and pharmacy, that during the session 107 new specimens had been added to the museum. These include a collection of synthetic remedies from Messrs. Knoll & Co., commercial samples from Messrs. Wright, Crossley & Co., and varieties of buchu-leaves from Messrs. Evans Sons Lescher & Webb, Ltd. Regarding the department of toxicology, arrangements had been made with the Lecturer in Pharmacy to establish a complete set of toxicological specimens in the museum properly prepared for demonstrations and exhibition in lecture. Reporting on the department of pharmacology, he said it had been found impossible to conduct a course of demonstrations on the action of drugs owing to the absence of apparatus.

**Manchester Notes.**

Messrs. Charles Midgley's, Ltd., are advertising their new perfume extensively in the local Press.

The wintry weather of the past week has considerably improved business, which, according to the general opinion, has been very quiet recently. An epidemic of influenza of a mild catarrhal type, which is confined mostly to children, is also causing more demands for drugs.

The correspondence columns of this week's "Daily Dispatch" contains, under the heading of "A Plea for the Chemist," arguments from various readers for and against dispensing by doctors. Most of them fail to express their ideas clearly, and only one, "W.," hits the main point.

**Midland Notes.**

Colonel Wyley, Mayor of Coventry, on December 2 entertained about one hundred and fifty guests in the concert-hall of St. Mary in that city.

Mr. John Wakefield is to be greatly sympathised with in the loss of his mother and also of his late partner, Mr. Bellamy, within a few days. Mr. Bellamy was well known at Harborne, devoting much time and money to the alleviation of the sick poor.

The sale of the stock-in-trade at Phoenix Mills, Birmingham, took place on Tuesday and Wednesday. In the absence of a satisfactory bid for the purchase as a going concern, the contents were sold piecemeal. These included drugs, chemicals, and machinery.

The member for East Worcestershire is to be opposed at the next General Election by Mr. Wilfrid Hill, Fulford Hall, Earlswood. He is head of the County Chemical Co., Ltd., Bradford Street, Birmingham, and entertained the Attorney-General during his recent visit.

The business of opticians, dealers in medical and electrical instruments, etc., carried on by Messrs. W. Watson and A. R. Glover, Easy Row, Birmingham, is in future to be carried on by the latter. The former, who is a nephew of the founder of the business of Messrs. Watson & Co. in High Holborn, London, is retiring.

Mr. W. F. Southall gave an interesting illustrated lecture on "Scene and Song in Palestine" at the Lecture Hall of the Y.M.C.A., Dale End, Birmingham, on November 30. Mr. Southall was assisted by twenty ladies and gentlemen who were dressed in Eastern costumes. The musical instruments of the Bible, the customs and habits of the East, especially of Palestine, were all graphically explained, many Biblical references being made plain.

**From Various Courts.**

At Spalding on December 3, a farm servant named Bendall was fined 8*l.* for giving his employer's horses wheat which had been dressed with arsenic.

At Bromley, Kent, on December 2, the Bromley and Crays Co-operative Society was fined 10*s.* and costs for

selling as olive oil the contents of a flask which proved to consist of mineral oil.

In the Edmonton County Court on November 29, Mr. Campbell, chemist, of Boleyn Road, Stoke Newington, was the defendant in an action in which George Davey, bill-poster, applied for a perpetual injunction to restrain the defendant from posting bills on a wall in Pellerin Road, Stoke Newington, and claimed 10*l.* 10*s.* as damages for trespass. Judge Tindal Atkinson granted the injunction, without costs, but did not award damages.

At Bexhill on November 28, Arthur Wm. Plummer, chemist's assistant, was, after a prolonged inquiry into charges of fraud and embezzlement brought by Mr. G. S. Perrett, chemist, of Devonshire Road, Bexhill, formally committed for trial at the forthcoming assizes (*C. & D.*, November 23, index folio 769). Accused, at the end of the case for the prosecution, made a statement denying the charges. At the utmost, he said, all that had been alleged would go to show that there had been an occasional shortage in the cash, and he was not the only person who had been in charge of it. Considering the borrowings of Mr. Perrett and other irregularities which he had admitted under cross-examination, it would have been in any case impossible to balance the books. In these circumstances he felt that it was most unjust to have charged him with the deficiencies. There were many possible explanations of the shortage, he concluded, but the suggestion that he stole the money was not the correct one. Bail was granted on sureties of 100*l.*

**IRISH NEWS.**

When sending newspapers to the Editor please mark the items of news to which you desire to call his attention.

**Pharmaceutical Society of Ireland.**

At the meeting of the Council on December 4 Sir William J. Baxter, Coleraine, was re-elected President of the Society, and Mr. D. M. Watson, Dublin, Vice-President.

**Belfast Technical Instruction.**

The Irish Department of Technical Instruction, reporting to Belfast Corporation on the working of the scheme of technical instruction in operation in the city, states, *inter alia*: "Chemical courses have been followed by a good number of pharmaceutical chemists, and by about as many others engaged in manufactures of a chemical nature or in teaching. The instruction has been on sound lines, and a good endeavour has been made to meet the diverse and highly technical needs of advanced students."

**Brevities.**

The new business which Mr. Michael Ryan, Ph.C., formerly of Cork, has opened, is at 12 Lower Camden Street, Dublin. We referred to the matter in the *C. & D.*, November 16, index folio 737.

Mr. Joseph Irvine, R.D., has opened a Medical Hall in Limavady, co. Derry. He is making a speciality of cattle-medicines, Limavady being the centre of one of the most prosperous agricultural districts in the country.

At a meeting on November 28 of the newly formed Sanitary Authority for the Port of Newry, Mr. J. E. Connor, Ph.C., was elected Vice-Chairman. Mr. Connor is Chairman of the Newry Chamber of Commerce, and represents the Warrenpoint Urban Council on the Port Sanitary Authority.

A burglary was perpetrated in Dr. Condon's Medical Hall, Ballyshannon, a few nights ago. The manager, Mr. Joseph Walsh, Ph.C., had secured the premises as usual the previous night. In the morning the place was discovered in a state of topsy-turvydom. Among the articles missing are hair-, nail-, and tooth-brushes, syringes, thermometers, fancy soap, etc. Quite recently the same premises were burgled, and since then cash was removed nightly from the establishment.

COMPOUND CANELLA-POWDER, *hieria picra*, was first compounded by Galen.—*J.A.P.A.*

## SCOTTISH NEWS.

When sending newspapers to the Editor please mark the items of news to which you desire to call his attention.

### Aberdeen Technical College and Pharmacy.

Principal Stewart, of Robert Gordon's Technical College in Aberdeen, in his report for session 1911-12 remarks:

Plans for new buildings to accommodate both engineering and chemistry are well forward. The Pharmacy Department has been transferred from the buildings of the Secondary School to large and well-equipped rooms in the temporary buildings. In view of the further transference of the department to the main buildings of the Technical College, the equipment of the Pharmacy Department has been greatly improved and added to, and the work is carried on under far more favourable conditions than formerly. The enrolment in the day classes of this department for the year was seventeen. In the evening classes of the Pharmacy Department the number of students enrolled was thirty. In the case of evening classes a system of co-ordination has been established with the chemistry and botany classes of the School Board's Continuation Classes, and the scheme pursued is intended to lead up by proper gradation to the course of study required in day classes.

### Edinburgh.

Messrs. Gibson & Co., Leith Street, are making a big show of cod-liver oil and malt-extract at present.

Christmas windows are coming into favour already. Boots, Ltd., and Messrs. Pottage, Princes Street, have fine displays this week.

It is proposed on the occasion of the centenary of the late David Wardie, who suggested to Christison that he should try chloroform, to put a medallion on the house in which he resided at Linlithgow.

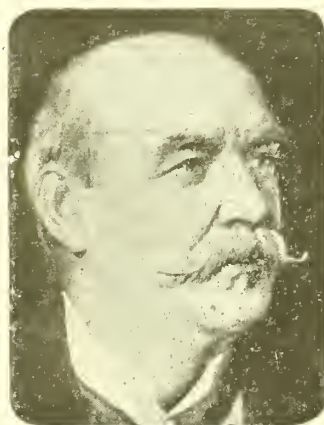
"The Masque of Learning," for which Professor Geddes, a former pharmaceutical examiner, is largely responsible, was again successfully presented to large audiences in the Synod Hall last week.

Mr. George Lunan, Ph.C., F.C.S., and Mrs. Lunan celebrated the coming-of-age of their eldest son, Mr. G. H. Lunan, by giving a dance in the Hill Street Halls on the evening of November 29. About one hundred guests were present, and a very happy time was spent. Mr. G. H. Lunan is now in his final year at the Edinburgh University Medical School and is training specially for the Army Medical Service.

### The late Mr. James Russell, Dundee.

Writing in regard to the death of Mr. James Russell, which was reported in the *C. & D.* last week, our Dundee

correspondent says: Mr. Russell did not live to see the completion of the centenary of the founding of the business of which he was proprietor, and which, according to the legend on the windows in Nethergate, dates from 1821. The shop in which it has been for many years carried on was long ago a branch of the business of Mr. Alexander Hamilton, 67 High Street, and the branch manager was the late Mr. James Hardie. The premises were acquired later by Mr.



MR. JAMES RUSSELL.

David Russell, who took his son into partnership shortly after the Pharmacy Act, 1868, came into force. The funeral took place at the Eastern Necropolis, Dundee, on Monday afternoon, among those who directly assisted in the obsequies being Mr. Russell Galbraith (nephew); Mr. Allan Wand (Leicester), a relative of Mr. Russell, and at present a pupil with Mr. James

Jack, Ph.C., Arbroath; Mr. Charles Fairfall, who for over thirty years has been manager of the Russell pharmacy; Mr. John Gray, chemist, Bailie W. Doig, chemist, and Mr. Charles Cummings, chemist. Other chemists present were Messrs. T. S. Peebles (President of the Forfarshire Association), John Anderson, John Hodge, G. J. Lindsay, J. W. Robertson, and J. H. Thomson. Our portrait of Mr. Russell is from a painting by Mr. C. Adamson, and shows him as he was ten years ago.

### Glasgow and the West.

Mr. Arthur McKellar, Ph.C., has disposed of his business at 414 Paisley Road West, Glasgow, to Mr. David W. Robb, chemist and druggist.

Messrs. Cockburn & Co., Ltd., are removing their branch in High Street, Ayr, to more commodious and elegant premises in the same street. The company are also opening there a new optical department. A similar department has been opened at their Kilmarnock branch.

## FRENCH NEWS.

(From the "C. & D." Paris Correspondent)

**A PRIEST FINED.**—Abbé Chaupitè, a local priest, has been fined 40*l.* for illegal practice of medicine by the Rennes Police Courts. Damages to the amount of 120*l.* were awarded by the Court to the plaintiffs, the Pharmacists' Association and the Medical Association of the Ille and Vilaine department.

**TWO NOTABLE ELECTIONS.**—Professor Bourquelot, of the Paris School of Pharmacy and General Secretary of the Paris Society of Pharmacy, has been elected a member of the Council of Public Hygiene of the Seine, in place of the late Dr. Chatin. He has also, as the result of a vote of the Professors of the School of Pharmacy, been elected to represent that body on the Council of the University of Paris, to replace Professor Bouchardat, who recently retired.

**DENTAL POISONS.**—Professor Coutière, of the Paris Superior School of Pharmacy, "assisted" at an interesting seizure recently made in a Parisian hotel. Acting on information received, the police called at the establishment in question and asked for the room occupied by M. Hugo Kurten, said to be the son of the proprietor of a firm of dealers in dental products and sundries at Ohligs (Germany). The father has a branch house in the Marais (drug-trade quarter of Paris), of which the son is the manager. The rest may be told in the words of M. Coutière's official report: "We found in a cupboard in this room 200 ampoules for hypodermic injections (cocaine and adrenalin), and more than 200 tubes of compressed tablets intended to be used for the preparation of the same hypodermic injections. . . . We concluded, in consequence, that a prosecution should be instituted for illegal exercise of pharmacy. We cannot too often repeat that the commerce in narcotics, opium, morphine, and cocaine, so largely consumed in Paris, is to a large extent carried on by such means, Germany being the principal source." The Court evidently endorsed M. Coutière's view, as M. Kurten was fined 24*l.*

**HOSPITAL PHARMACISTS.**—In view of the steady and constant diminution of the number of students at the Paris School of Pharmacy, the Assistance Publique (Poor-law Board) nominated, a couple of years ago, a committee to study the reorganisation of the house pharmacist staff in the Parisian hospitals. This committee has published various decisions which somewhat revised the regulations hitherto existing. The most important is the diminution in the number of posts. The 165 internes will be reduced to 145 on June 1, 1913, and to 125 a twelvemonth later. The pharmacists at present attached to the surgical services will then be gradually abolished. The house surgeon will do their work, and when thus required to assure double service will receive an extra 20*l.* per annum. The four present examinations will be reduced to three, the two "admissibility" tests being reunited. The candidate will be required to identify twelve plants or natural history specimens, ten galenicals, and three chemicals,



but these will in future be selected from a limited and published list of really current and modern medicaments. The new regulations tend to place house pharmacists more directly and completely under the control of their nominal and legitimate chief, the head pharmacist of the hospital. The appointment of the hospital pharmacist has always nominally been for two years, with an extra two years in the case of good conduct, etc., but, as a matter of fact, third and fourth years are the almost invariable rule. The new regulations stipulate that these two years will depend on the "marks" given by the head pharmacist. To encourage the house men to take part in the annual competition, all those who have competed (successful or otherwise) will be allowed first choice of places when the annual change takes place. The present state of things is that (to use a sporting expression) only the favourites run; the majority, knowing they have no particular chance, leave the examination severely alone, and let their more brilliant or industrious brethren "walk over the course." Whether the new regulations will succeed in inducing the majority to make the exertion remains to be seen. The salaries are fixed at 24*l.* for the first year, 28*l.* for the second, 32*l.* for the third, and 40*l.* for the fourth year. Those not residing in the hospital receive an extra 24*l.* per annum. These are the old terms; the Assistance Publique does not evidently recognise the "increased cost of living" (and above all of rent) in Paris.

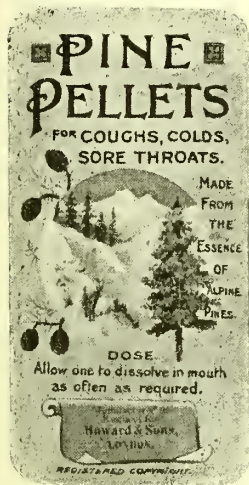
## SOUTH AFRICAN NEWS.

(From "C. & D." Correspondents.)

"The Chemist and Druggist" is regularly supplied by order to all the members of the seven Societies and Associations of Chemists in British South Africa, as well as to other chemists in business there.

### The Union.

MESSRS. HOWARDS & SONS, LTD., Stratford, London, E., send us a photograph of a label, here reproduced, which



is an example of a number of pharmaceutical preparations now being freely sold in South Africa as if they emanated from their factory. Sandalwood-oil capsules labelled in a similar way, "Manufactured for Howards & Sons, London," or "Manufactured for Howard & Sons, London," are one important article being shipped to South Africa. Messrs. Howards & Sons do not make any articles of this description, and are anxious to stop, if possible, the chemists of South Africa being deceived in this way. Nor do they ever have goods labelled as "manufactured for" them. Every article on their list is made by themselves at their own works. It is not known who the makers of the goods objected to are, but it is

believed that the goods are imported from London.

### Orange Free State.

O.F.S. MEDICAL AND PHARMACY COUNCIL.—At the monthly meeting held at Bloemfontein on November 8 there were present Dr. C. H. Bidwell (in the chair), Drs. Manning and Tomory, Mr. Whiteside (Dental member), Mr. S. S. Hewitt (Pharmaceutical member), and the Acting Secretary. After the formal business of the meeting had been disposed of, the Secretary stated that the inquiries directed by the Council with reference to the registrability in Denmark of the diploma of the Pharmaceutisk Laereanstalt of Copenhagen had failed to elicit the required information, and to save time pending the next meeting of the Council he had written to the Registrar of the institution in question. The Council thought, however, that if the institution is a private one the informa-

tion so acquired might be deemed not sufficiently official, and it was resolved after further discussion that all the papers in connection with Mrs. Larsen's application should be sent to the Minister for the Interior with the request that he should obtain for the Council the desired information. The other business before the Council was concerned with medical matters. The Council resolved to accede to the request of the Senate of the South African College that its President should for the future act as *ex officio* member of the Medical Committee of that body, and thus identify itself with the new South African School of Medicine.

### Transvaal.

THE TRANSVAAL CHEMISTS' ATHLETIC CLUB entertained the Old Cocks to a friendly game of cricket on the Mayfair ground on November 3. Victory again rested with the younger players.

TRANSVAAL PHARMACEUTICAL SOCIETY.—A large gathering of chemists and their friends turned up at the University College, Johannesburg, on November 5, to hear the lecture on "Optical Illusions," by Dr. Lindsay Johnson, under the auspices of the Society.

SICKNESS has been rife on the Rand recently. The dust-storms experienced in Johannesburg of late are unparalleled in its history. Through the continued drought the water supply of the Rand is entirely dependent on the springs, the reservoirs being now completely empty.

PERSONAL.—Mr. E. J. Adcock, chemist, Krugersdorp, has been elected Deputy-Mayor for the ensuing year.—Mr. J. Hull, P., D. & Co.'s representative, has returned to Johannesburg from his long journey to Nairobi. Unfortunately he has been suffering with eye troubles since his return.—Mr. Gerrish, representative of Messrs. Southall Bros. & Barclay, Ltd., is once again back on the Rand.

## CANADIAN NEWS.

(From the "C. & D." Correspondent.)

A TERRYSRIPTION is "a prescription absolutely accurately filled," according to the definition in the advertisements of Mr. Terry, pharmacist, Fort Street, Victoria, B.C.

N. D. Co.—The National Drug and Chemical Co., Ltd., are erecting a new building for their business at Vancouver, B.C. Negotiations are also in progress for new branches at Edmonton and Saskatoon.

BREAKING BULK of patent medicines is an offence under the Patent Medicine Act, states the "Canadian Pharmaceutical Journal." The offence consists in selling a patent medicine not bearing a certificate number as required by the Act.

SALE OF COCAINE.—Dr. J. E. Spankie, Vancouver, B.C., was fined \$25 and costs for giving a prescription for cocaine to a man whose condition was not such as to require the drug. This is the first prosecution in Vancouver under the Dominion Habit-forming Drug Act.

HYPODERMIC SYRINGES.—Some cases of violation of the Federal Poison Act which have occurred in Toronto were due to the fact that chemists sold hypodermic syringes in unopened condition, overlooking the fact that the cases contained a supply of tablets of morphine, cocaine, and strychnine. Fines of \$50 and costs have been imposed for selling morphine and cocaine without a physician's prescription.

DOMINION MEDICAL COUNCIL.—The first meeting of the Council, to which reference was made in the *C. & D.*, November 23, index folio 771, concluded on November 9. There were present thirty-one members, comprising two from each of the provincial medical councils, one from each of the universities having a medical faculty, three members appointed by the Governor-in-Council, and three homoeopathic physicians. The meeting was opened by the Hon. Dr. Roche, Minister of the Interior, representing the Government, the first duty of the Council being the election of officers. This resulted in the appointment of Dr. Roddick, of Montreal, as President; Dr. Thornton, of Deloraine, Man., as Vice-President; and Dr. Powell, of Ottawa, as Registrar.



## LEGAL REPORTS.

### TRADE LAW.

**Bribery.**—At the Surrey Assizes on Tuesday, December 3, A. J. Money, dairyman, pleaded guilty to offences under the Public Bodies Corrupt Practices Act, 1889 (*C. & D.*, November 30, index folio 808), and Mr. Justice Channell sentenced him to three months' imprisonment in the second division.

**White-lead Adulteration.**—Under the Merchandise Marks Act, 1887, Messrs. J. & J. Taylor & Co., Seddon Street, Liverpool, and Donegall Square, Belfast, were fined 5*l.* and costs at the Belfast Police Court on Tuesday for having applied a false trade description, "Genuine white lead in oil," to adulterated materials. The prosecution was at the instance of the London Chamber of Commerce. The goods were supplied to Mr. Wallace, Belfast, and the result of analyses of two samples was—it contained (1) 9 per cent. of barytes together with small quantities of lead sulphate and oxide of zinc; (2) 8 per cent. of barytes. The defendants pleaded guilty, but said the adulteration must have been done accidentally.

**At Pontefract County Court** on December 4, Alfred Collins, chemist and dental surgeon, Pontefract, obtained 1*l.* damages and an injunction against John Edwin Rhodes, until lately his dental mechanic, for a breach of contract by having started in business himself as a dental surgeon contrary to agreement entered into not to practise as "dentist, dental mechanic, or chemist within ten miles of Pontefract for five years after leaving plaintiff's employ. Mr. Gundill, for the defendant, argued that the agreement was in restraint of trade, and that it was unreasonable for the protection of the plaintiff to debar defendant from practising "as dentist, dental mechanic, or chemist." Mr. Gundill said that Mr. Collins had represented himself as a dentist, and he was not sure that he had not laid himself open to prosecution under the Dentists Act. The Judge said there was no answer to the suit. It was a perfectly reasonable contract.

**Ext. Filicis Maris.**—The hearing of the action by Mr. E. W. Blasius, chemical merchant, 127 Fenchurch Street, London, E.C., against Messrs. Voss & Kessler, merchants, Bishopsgate, E.C., to recover damages for an alleged breach of contract in respect to oil of male fern (see *C. & D.*, November 2, index folio 675), was continued at a special sitting of the Lord Mayor's Court on November 28, before the Assistant Judge, to whom it had been referred by the Recorder. The facts were given in our previous report. The action was in respect to a delivery of 3 cwt. of oil of male fern which was not accompanied by a certificate of purity from Mr. E. J. Parry, as the contract required, and was found on analysis to be deficient in filicin. At the resumption of the proceedings on November 28, Mr. Craig Henderson, who appeared for the plaintiff, said that the case, which promised to be a very long one, had come to an end. On the previous night the defendants had communicated with the plaintiff, and they now consented to judgment for the full amount claimed (98*l.* 2*s.* 4*d.*) and costs. The Assistant Judge said that under the circumstances he would enter judgment accordingly. He was pleased the parties had come to terms, and rather regretted that litigation had arisen over the matter. Such a case could have been much better disposed of at a round-table conference. Mr. Henderson said that from the outset his clients had suggested arbitration, but that suggestion had not been accepted. Counsel also applied for costs for expert witnesses who had been summoned to give evidence. The Assistant Judge said that if necessary he would make an order for an allowance for the expert witnesses.

**Lost Benzine Drums.**—In the City of London Court, before Judge Rentoul, K.C., on December 3, the Gas Lighting Improvement Co., Ltd., Salisbury House, sued Messrs. Meats Bros., Cardigan Street, Leicester, to recover the sum of 15*l.* 0*s.* 9*d.* for benzine supplied to them under a contract. Mr. Harry Strouts, plaintiffs' solicitor, said that the parties had been dealing together for some years, and the defendants had been taking benzine from the plaintiffs under a contract for twelve months at a time, the plaintiffs supplying at 10*d.* per gal. free delivery at the defendants' works in the usual steel drums, the drums being returnable to the plaintiffs at their own expense as previously. The price included 3*d.* per gal. for the petrol tax. The defendants had paid 11*l.* 0*s.* 9*d.* into Court, leaving 4*l.* in dispute, the value of two drums which had not been returned. It had transpired since the dispute had occurred that the defendants had handed the drums to the Midland Railway Co., who had lost them, and the question for the Court to determine was really who was responsible for the lost drums in transit? Mr. Metcalfe, for the defendants, contended that

the plaintiffs were responsible, as the railway company were the agents of the plaintiffs, and not of the defendants. The carriage would have been paid by the plaintiffs, and that constituted the railway company agents of the plaintiffs. The defendants had handed the drums to the railway company, as could be proved by the receipts which they held. Judge Rentoul said he had no doubt the railway company would pay the defendants for losing the drums. It seemed to him that the plaintiffs were entitled to recover from the defendants the value of the drums in the first instance, as they had not been returned to the plaintiffs' wharf in accordance with the contract. Judgment for the plaintiffs for the full amount claimed, with costs.

### High Court Cases.

Unless when otherwise stated these cases have been heard in the High Court of Justice, London.

#### AN APPLIANCE FOR PARALYSIS.

Mr. Carl Augustin Hoefftake, surgical-instrument maker, 21 Woodstock Street, Oxford Street, London, was the plaintiff in an action in the King's Bench Division on Thursday, November 28, before Mr. Justice Horridge, against Baron Barreto, of Quarry Court, Marlow, for the cost of surgical appliances supplied, work done, and goods sold. The defendant contended that he had discharged liability by payment of fifty guineas. The agreement was that he should pay that amount for the appliances fitted satisfactorily, and a further fifty guineas in the event of their proving successful within three months. If not successful the second payment was not to be made. The appliances fitted satisfactorily, but had not been successful. Plaintiff said if they had been unsuccessful, that was the defendant's fault, because he refused to wear an essential part of the appliances, the pelvic band, and would not persevere in the use of the instruments. Mr. J. H. Scott, for the plaintiff, explained that the defendant had become paralysed in both legs, and the appliance was for that trouble. The evidence included that of doctors who attended the defendant at Falmouth, and also his nurses. They spoke to his being made irritable by wearing the appliances, and they were of opinion that in his condition he could not stand the use of the pelvic band. His Lordship, giving judgment, said he had no doubt the defendant was honestly trying to wear the appliance without the pelvic band. The instrument was in itself a most ingenious and excellent invention. In face of the evidence, however, the plaintiff had not satisfied him that the Baron ever refused to wear the pelvic band. Judgment would be entered for the plaintiff for 1*l.* beyond the 11*l.* paid into Court, with costs up to that date, defendant to have costs since.

### Dentists Act.

#### USE OF THE WORD "DENTIST."

At Hereford on November 28, George Moss, Richmond House, Moorfields Road, Hereford, was summoned for infringement of Section 3. Mr. Moore, on behalf of the British Dental Association, said that defendant had, on November 2, inserted an advertisement in a local paper, signing it "George Moss, dentist, Edgar Street." Mr. Quintin H. Miller, dentist, 21 King Street, Hereford, supported this statement in evidence. Defendant admitted a breach of the Act, but argued that the word "dentist" in the advertisement had no professional meaning; it was simply a private announcement.

The Clerk: You held yourself out as a dentist?—Defendant: It was a mistake; I have never used the word before.

The Mayor: You don't deny you used the word?—Defendant: Oh, no; it was a mistake, and I must abide by it.

The Mayor imposed a fine of 5*l.*, and costs 2*l.* 15*s.* 6*d.*

**SECRET COMMISSIONS.**—The November News-sheet of the Secret Commissions and Bribery Prevention League, Incorporated, contains counsel's opinion on points regarding invoices and discounts. Business men should get a copy of it from the Secretary, 3 Oxford Court, Cannon Street, London, E.C.

**AMMONIA SULPHATE IN JAPAN.**—The "Bulletin Commercial" (Brussels) of November 2 states, on the authority of the Belgian Consul at Kôbé, that there is an opening for sulphate of ammonia in Japan in preference to nitrate, stocks of which are small.—*Board of Trade Journal.*



## GAZETTE.

### Partnerships Dissolved.

KNIGHT, G. E. M., and CHASTON, A. E., High Street, Winchester, chemists and druggists, under the style of Hunt & Co.

RICHMOND, S., and EDMONSTON, C. G., Greenhithe, physicians and surgeons, under the style of Richmond & Edmonston.

WATSON, W., and GLOVER, A. K., Easy Row, Birmingham, opticians and dealers in medical and electrical apparatus, under the style of W. Watson & Sons (W. Watson and A. K. Glover).

### The Bankruptcy Acts, 1883 and 1890.

#### RECEIVING ORDER.

BAKER, W. (lately carrying on business as W. Baker & Co.), Sunnysbank, Bell Hill, Stapleton, wholesale druggists, lately carrying on business at York Street, St. Paul's.

#### ADJUDICATIONS.

HILL, WALTER DE MARCHOT, Oxford Street, London, late of Russell Square, medical practitioner.

SKINNER, W. P., and VENTON, J., Regent Street, London (described in the receiving order as Skinner & Venton), dentists.

WHITEHEAD, J. B., Quarry Place, Woodhouse, and Woodhouse Street, Leeds, chemist and druggist.

## LIMITED COMPANIES.

### New Companies Registered.

The letters P.C. mean Private Company within the meaning of the Companies Act, 1907, and R.O., Registered Office.

WALTER BRAMLEY, LTD. (P.C.).—Capital, 2,000*l.* Objects: To carry on the business of bottlers, manufacturers of mineral waters, syrups, essences, syphons, etc. W. Bramley is permanent governing director. R.O., 21 Jasmine Street, Liverpool.

G. & P. BARRIE, LTD. (P.C.).—Capital 10,000*l.*, in 1*l.* shares. Objects: To acquire the business of G. & P. Barrie, aerated-water manufacturers, Dundee and Glasgow. The first directors are G. Barrie, P. Barrie, and G. C. Barrie. R.O., 193 Albert Street, Dundee.

CHELA CO., LTD.—Capital 10,000*l.* Objects: To take over the business of Lamont, Corliss & Co., manufacturers' agents, 11 Queen Victoria Street, London, E.C., and to adopt an agreement with C. H. Meares. The first directors are C. H. Meares and Elizabeth L. Meares. R.O., as above.

TOOGOOD, WARD & CO., LTD.—Capital 6,000*l.* Objects: To take over the business of Toogood & Ward, mineral-water manufacturers, Southampton. The first directors are H. J. Toogood (managing director), H. A. Plummer, and J. Ward. R.O., Brooklands Road, Hampton Park, Southampton.

J. G. FRANKLIN & SONS, LTD. (P.C.).—Capital 9,000*l.* Objects: To carry on the business of manufacturers of and dealers in anatomical, orthopaedic, and surgical appliances, and acquire the business of J. G. Franklin & Son and Franklin Bros., Birkbeck Works, Birkbeck Road, Hackney. The first directors are Jane G. Franklin, H. W. Franklin, H. Franklin, and F. P. Franklin. R.O., as above.

DUCHÉ & KNIGHT, LTD. (P.C.).—Capital 35,000*l.*, in 1*l.* shares. Objects: To carry on the business of manufacturers of and dealers in glue, glucose, gum, isinglass, essences, etc., and to adopt agreements (1) with J. B. M. Duché, A. E. V. Duché, and E. S. Duché (trading as T. M. Duché & Sons), and John Knight, Ltd.; and (2) with G. Humbert. The subscribers and first directors are A. E. V. Duché and J. W. Hope.

### Company News.

LEWIS & BURROWS, LTD.—The report for the twelve months ended September 30, 1912, to be submitted to the annual meeting to be held at the Holborn Restaurant on December 6, at 12 noon, states that the directors have again to report an increase in the volume of trade, and in order to still further strengthen the financial position they have decided to set aside a portion of the profits as a reserve fund to meet the depreciation on the India Stock held by the company, and to recommend that no dividend be paid

on the ordinary shares for the year under review. Owing to the contemplated reconstruction of the block of buildings comprising their Brixton shop, the directors decided to accept what they considered an advantageous offer for the remainder of the lease. During the year the directors have acquired the business formerly carried on by Messrs. J. H. Lewis, in the Finchley Road, on terms which they believe to be very satisfactory for the company. It is proposed to pay upon the preference shares a further dividend of 3 per cent. (less income-tax), making 6 per cent. for the year. Mr. Wm. B. Trick, J.P., who retires by rotation, offers himself for re-election. The profit-and-loss account shows a profit on the year's trading of 4,438*l.*, with transfer-fees and dividend on India Stock 4,504*l.*; after deducting salaries of general manager and secretary (620*l.*), directors' and auditors' fees (670*l.*), and depreciation account (1,020*l.*), a net profit is carried to balance-sheet of 2,193*l.* In the balance-sheet the assets include leasehold premises and goodwill, 46,060*l.*; fixtures, fittings, and furniture, 20,607*l.*; movable plant and utensils, 2,533*l.*; stock-in-trade, 24,835*l.*; sundry debtors, 1,415*l.*; cash, 3,411*l.*; and investment, 2,108*l.*

THOMPSON DRUG CO., LTD.—To be voluntarily wound up. Liquidator, Mr. Thomas Tomlinson, 45A Market Street, Manchester. At a meeting of the creditors held at the Chartered Accountants' Hall, Manchester, on November 29, the following statement was presented: Liabilities—Unsecured creditors, 4,189*l.* 5*s.* 9*d.*; loans, 2,397*l.* 19*s.*; Parr's Bank, 744*l.* 15*s.* 8*d.*; total, 7,332*l.* 0*s.* 7*d.* Assets—Stock-in-trade at cost, 5,896*l.* 15*s.* 11*d.*, estimated to produce 5,896*l.* 15*s.* 11*d.*; bad debts, 300*l.*, estimated to produce 150*l.*; cash in hand, 114*l.* 15*s.* 8*d.*; fixtures and fittings, 735*l.* 10*s.* 1*d.*, less creditors for rent, rates, taxes, etc., 159*l.*; total, 6,747*l.* 1*s.* 7*d.* Deficiency, 584*l.* 19*s.* There are ten shareholders in the company, and the managing director (Mr. Hill) holds 398 shares out of 407. Altogether there are seven shops, and wine and spirit licences are attached to the majority of them. The causes of the failure are alleged to be the installation of qualified chemists in the shops, at an estimated expenditure of 500*l.* per annum additional, extra licence-duties, severe competition, and the recent strikes. Up to two years ago the balance-sheet showed a surplus. The managing director's remuneration has been at the rate of 4*l.* 10*s.* a week, plus his loan interest, which has been in the neighbourhood of 100*l.* per annum. He is a cash creditor to the extent of 1,800*l.* It was resolved that rather than apply to the Court for the substitution of the liquidator, who voluntarily agreed to retire, the shareholders should have another special meeting, and appoint Mr. Boardman, of Messrs. Broderick, Boardman & Co., Spring Gardens, Manchester, as the liquidator, with a committee. The creditors include Raines & Co., York (680*l.*); A. Miller, Dublin (253*l.*); W. B. Cartwright, Leeds (105*l.*); Blackwell, Hayes & Co., Birmingham (61*l.*); Woolleys, Manchester (66*l.*); Colman, Norwich (55*l.*); and D. Corneille, Manchester (49*l.*).

S. F. GOSS, LTD.—At the annual meeting of the shareholders of this company held on November 21 the report of the directors was submitted with accounts for the year which ended on July 31. Since the last annual meeting the share capital of the company has been written down, with the sanction of the High Court, by reducing the 10*l.* shares to 5*l.*, so that the issued shares are now represented in the balance-sheet at 7,850*l.* The effect of the reduction is shown in the directors' report. The year's business shows a loss of 631*l.* 6*s.* 11*d.*, to which has to be added 331*l.* 16*s.* 8*d.* for depreciation of leases, etc., 120*l.* for interest on debentures (6 per cent. on 2,000*l.*, which are redeemable on June 30, 1913), 160*l.* for directors' fees, and 2,799*l.* 1*s.* 4*d.* debit balance from the previous year, altogether 4,042*l.* 4*s.* 11*d.*, but the reduction of capital brings this down to a debit of 318*l.* 15*s.* 9*d.* The profit-and-loss account shows that the gross profit on trading in the two retail shops of the company was 6,101*l.* 17*s.* 8*d.*, besides which the company earned 1,561*l.* 9*s.* 10*d.* in commission; these with transfer-fees make 7,633*l.* 12*s.* 6*d.*, against which 8,294*l.* 19*s.* 5*d.* was expended in rents, rates, etc., light, wages, commissions, advertising, trade and other expenses, and repairs, besides an allowance for bad debts written off. We note that the payments for salaries and commissions (3,381*l.*) are less than the year before (4,173*l.*), and that the loss then recorded was 1,843*l.* The directors state that they have now let the premises at 134 Regent Street, so that the loss in respect to this will be 100*l.* only in future. The liabilities of the company amount to 13,089*l.*, of which 7,850*l.* is in shares, 2,000*l.* in debentures, and 3,239*l.* trade creditors. The assets consist of 3,321*l.* in leasehold premises and fixtures, 1,345*l.* goodwill, 5,823*l.* stock-in-trade (certified by the company's officials), 1,418*l.* debtors, 86*l.* cash, and 500*l.* estimated commission—a new item in the accounts.

## BIRTHS.

**BANKS.**—At Cleveland House, 27 Beaufoy Street, Wick, on December 2, the wife of George Banks, pharmacist, of a daughter.

**LITTLE.**—At Manchester Road, Wilmslow, Cheshire, on November 25, the wife of George W. C. Little, registered druggist (Ireland), of a daughter (stillborn).

## MARRIAGES.

**CADGE—BREAKWELL.**—At All Saints', Grimsby, on December 4, Charles C. Hume Cadge, chemist and druggist, Bingham, to Annie Rushton, third daughter of the late Mr. Henry Breakwell, of Tettenhall Wood, Wolverhampton.

**FURNIVAL—EARDLEY.**—At St. Mark's Church, Sheffield on December 4, by the Right Rev. the Lord Bishop of Sheffield, assisted by the Vicar (the Rev. A. B. Burney, M.A.), Stephen, second son of Mr. and Mrs. E. H. Furnival, of Napley, Market Drayton, Salop, to Elsie Jennings, only daughter of Mr. and Mrs. J. F. Eardley, Elmsdale, Broomhall Park, Sheffield.

**RING—SWENY.**—At Westland Row Church, Dublin, on November 27, John F. Ring to Edith, eldest daughter of Mr. F. W. Sweny, registered druggist, 1 Lincoln Place, Dublin.

## DEATHS.

**BIGGS.**—On November 22, at Clyde Place, Leyton, Essex, Mr. Benjamin Biggs, senior partner of Messrs.



Mr. B. Biggs.

**B. Biggs & Co.,** 66 Cannon Street, London, E.C., chemical merchants, aged eighty-seven. The firm with which the late Mr. Biggs was connected was established about ninety years ago under the name of I. S. Lister, the style being changed to Lister & Biggs when Mr. Biggs was taken in partnership about 1850. Several other changes took place subsequently, and eventually the firm was, and is now, known as B. Biggs & Co. Practically at the commencement of their career the firm obtained, and still hold, the agency of the Government of Saxony for the sale of smalts. Mr. Biggs, however, was chiefly associated with the wood-naphtha and methylated-spirit industries, and in this connection he claimed to be the first to induce the Government to allow spirit to be methylated in this country. This was about 1856, at which time his firm, among others, supplied wood-naphtha to methylators through the Government. This system prevailed for about fifteen years, after which the trade in wood-naphtha became free and was no longer carried on through the agency of the Government. At that time the bulk of the wood-naphtha business passed through Mr. Biggs's hands, but competition has since brought many others into the market. We may recall that Mr. Biggs gave evidence before the Industrial Alcohol Committee in 1905, on which occasion he represented the wood-distilling industry of Great Britain. His evidence was summarised in the *C. & D.* when the report was published. Mr. Biggs was one of the original members of the Society of

Chemical Industry, and was a frequent attendant at its meetings, taking part in the discussions when occasions arose. For many years he was on the Common Council of the City of London, representing the Dowgate Ward, and on his retirement was presented with an address in recognition of his services. He was also a member of the Corporation of Lloyd's since 1854. Mr. Biggs was a staunch Churchman, and at his home at Leyton, where he and Mrs. Biggs lived for over fifty years, no family were more respected. He was a generous donor to the Church, and much of his leisure was devoted to promoting the welfare of those around him, his kindness of heart making him a favourite with the young. He is survived by five daughters and four sons.

**MOON.**—At 2 High Street, Ilfracombe, recently, Mr. Charles Moon, chemist and druggist, Ilfracombe, aged forty-two. Mr. Moon, who died suddenly, had been in failing health for some time.

**MOVERLEY.**—On November 18, Mr. Robert Moverley, chemist and druggist, 82 High Street, Lowestoft. Mr. Moverley passed the Modified examination in 1875.

**TAYLOR.**—At Cliff Terrace, Kendal, on November 30, Mr. Alfred Taylor, retired chemist and druggist, aged sixty-six. Mr. Taylor had suffered from ill-health for some months. He was a native of Kendal, and succeeded his father in the business at 41 Highgate, Kendal. He was a man of quiet habits, but in his early days was an enthusiastic Volunteer and always took a keen interest in Army matters. He was a vocalist of no mean ability, and for many years was a member of the Parish Church choir.

**WHITE.**—At Brunalb, Bellisle Avenue, Uddingston, Lanarkshire, on November 23, Dr. James Walls White, aged seventy-three. He was a native of Orkney, and was for long connected with Messrs. J. & J. White, manufacturing chemists, Kingston, Glasgow. Dr. White, who passed the Minor examination prior to 1868, afterwards took up medicine, studying at Glasgow University, where he graduated M.D. in 1877. He was one of the first to use salicylates therapeutically.

## BUSINESS CHANGES.

Notes for this section sent to the Editor should be authenticated, and must not be in the nature of advertisements.

**SIDEBOTTOM & Co.,** chemists, 62 Church Street, Littleborough, near Rochdale, announce that they are giving up business.

**MR. FINLAY MCKINLAY,** chemist and druggist, has taken over the business of Mr. W. J. G. Moran, chemist and druggist, at 7 High Street West, Glossop.

**MR. THOMAS WADE,** pharmacist, has bought the business of the late Mr. J. C. Wright, chemist and druggist, at 36 Cheyne Walk, Chelsea, London, S.W.

**MR. ALBERT HENRY SIMINSON,** chemist and druggist, of 9 High Street, St. Lawrence, Ramsgate, has acquired the business carried on in High Street, Minster-in-Thamet, by Mr. F. Morris.

**MR. J. H. BAILEY,** chemist and druggist, 61 Old Dover Road, Blackheath, London, S.E., has purchased the business of Messrs. Cadman & Co., chemists, at 20 Delacourt Road, Blackheath.

**MR. E. H. MOGG,** chemist and druggist, late of Belvedere, Kent, has purchased the pharmacy of Mr. J. Myddelton Hughes, chemist and druggist, 48 Fulham Road, London, S.W.

**MR. L. CANNAR,** late Guest & Co. (London representatives, Messrs. Harrison & Waide, Leeds), has purchased the old-established business of the late Mr. Penrock at Tooting Broadway, London, S.W. [Corrected note.]

**MR. F. G. HOLORAN,** chemist and druggist, Carolgate, Retford, has purchased the prescriptions and private recipe-books belonging to the business lately conducted by Mr. Rowland Smith, chemist and druggist, at 32 Market Place, Retford.



## TRADE NOTES.

MESSRS. HERBERT HYMANS & Co., St. Dunstan's Buildings, London, E.C., intimate that Mr. J. H. Eldridge has ceased to be in their employment.

COX'S CORN EXTIRPATOR.—Messrs. John Morgan Davis & Sons, 278 Bishopsgate, London, E.C., have been appointed sole wholesale agents for Cox's corn extirpator.

THE BRITISH DRUG HOUSES, LTD.—In last week's report of the High Court action in which this company was concerned (*C. & D.*, November 30, index folio 810) the paid-up capital of the company is stated by Mr. Lawrence to be 89,000*l.* This should be 189,000*l.*

ARABELLA WATER.—The regular size of this water retailing at 1*s.* per bottle has been supplemented recently by a smaller size to retail at 9*d.* Messrs. T. Christy & Co., Old Swan Lane, London, E.C., inform us that to save any possibility of confusion the regular size will henceforth be referred to as the "Large size." The water is on the P.A.T.A. list.

"FINE ENGLISH PERFUMERY."—A beautifully produced booklet with this title has been issued by Messrs. Prichard & Constance, Ltd., 71 Newman Street, London, W. The cover is a warm brown, and within are some exquisite reproductions in three-colour process work of the specialities of the house. The letterpress describes the various products, and a complete price-list is appended.

"THE PRESCRIBER."—The December number of this therapeutic monthly completes the sixth volume, and the contents, as well as the index accompanying, show what a pharmacist can do in his leisure moments in the way of presenting medical men and pharmacists with the cream of the world's medical literature. Mr. Thomas Stephenson, Ph.C., 137 George Street, Edinburgh, is the editor and publisher of the journal, and with the assistance of practising physicians he succeeds in presenting therapeutic progress in that condensed yet active form that suits busy practitioners.

DICKENS CALENDARS.—Daisy, Ltd., Mammoth Works, Leeds, last week offered to supply chemists with a series of Dickens calendars for 1913 for distribution among customers. We have since received specimens of the calendars, and find them to be an interesting series which should take the fancy of the public. The size of each calendar is 11½ in. by 7½ in., and there are monthly tear-offs affixed. Such familiar characters as Mr. Micawber, the Artful Dodger, Captain Cuttle, Mrs. Gamp, and Sam Weller are depicted in colours. The name and address of retailers is printed on the calendars.

BRAIN EXTRACT.—The "British Medical Journal" recently printed a paper read by Dr. Maule Smith, Barnsley Hall Asylum, Bromsgrove, at the annual meeting of the Association, dealing with the use of an extract from the brains of foetal calves in treating various forms of insanity. Dr. Smith finds that the extract has a powerful influence in various diseased mental states, and there is likely to be a demand for the preparation from practitioners who desire to try it. We are informed that Mr. W. Martindale, 10 New Cavendish Street, London, W., keeps stock of the brain extract, which is prepared according to the directions of Dr. Maule Smith.

BEECHAM'S CALENDARS AND ALMANACKS.—Mr. Thomas Beecham, of St. Helens, supplies 1913 calendars and almanacks to chemists for distribution to their customers. The coloured calendars are of a type which specially appeal to children. One depicts an elephant taking a bun that surrounds a box of Beecham's; the inset humorously shows the resultant improved appetite. Other calendars illustrate how Beecham's pills are "a good thing to have about the house"; "If upset take Beecham's"; and "Take Beecham's Pills and look pleasant." The Boudoir Calendars (on thin card 8 in. by 6 in.) are very artistic. The Family Almanack contains much useful information. Subscribers should write to St. Helens for these if they have not got a supply.

"WELLCOME" EXPOSURE RECORD.—The edition for 1913 of the "Wellcome" Photographic Exposure Record and

Diary has been published this week by Messrs. Burroughs Wellcome & Co., Snow Hill Buildings, London, E.C. The information it contains is encyclopædic on matters photographic—there does not seem to be a process in that art which is not referred to in the book. A full list is given of "Tabloid" photographic goods. Ruled pages are given for recording details of exposures, following which are diary and memorandum pages. The well-known exposure calculator is placed on the inside of the back cover. The Exposure Record sells at 1*s.*, and is an appropriate Christmas gift for an amateur photographer. For this reason photographic chemists should see that their stocks of the book are obtained promptly and give the book a good position on the counter.

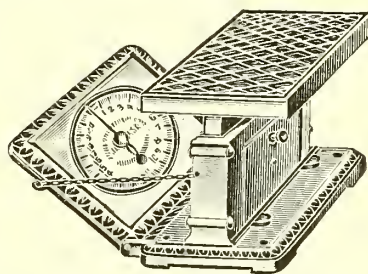
PERSONAL WEIGHING-MACHINES are much in demand in these days of "health culture." The illustration shows the Jaraso personal weighing-machine which is

advertised in this issue by Mr. Albert C. Shoppee, Pancras Street, Tottenham Court Road, London, W.C. The weight-indicating dial is so arranged and graduated that the person being

weighed can see his weight without difficulty, and yet the instrument is so compact that it takes up but little space.

"THE SCIENTIST'S REFERENCE BOOK AND POCKET DIARY" for 1913, published by Messrs. Jas. Woolley, Sons & Co., Ltd., Victoria Bridge, Manchester, is to hand this week. The first part of the twofold book consists of 110 pages replete with reference-matter ranging from first-aid to astronomy. Much of this is specially useful to chemists, as it includes *inter alia* physical constants of the elements, volumetric solution strengths and factors, chemical composition of food, physiology, hygiene, and hints on microscopy. The diary proper has seven dates to each page, while space for memoranda and perforated pages are also provided. This section also provides more general information of world-wide character. The two portions are bound together with a stout leather cover, with pocket, pencil-holder, and elastic band to keep it closed. The price of the Diary is 2*s.*

MALTOL TOFFEE is the name given by Messrs. Thomas Guest & Co., Carruthers Street, Manchester, to a new



THE ORIGINAL & GENUINE

# MALTOL TOFFEE

A PURE WHOLESOME AND DELICIOUS SWEETMEAT

**COD LIVER OIL**  
PURE ENGLISH LIVER  
AND CANE SUGAR

IT IS SPECIALLY ADAPTED FOR DELICATE PERSONS & CHILDREN WHO FIND THE ORDINARY OIL SO DIFFICULT TO DIGEST OR RETAIN ON THE STOMACH.

CHILDREN  
LIKE IT & READILY  
GAIN WEIGHT.

FOUR OUNCES

## 3½

toffee with which they have combined malt-extract and cod-liver oil, the result being an excellent sweetmeat, which differs but slightly from the taste of Everton toffee. During the winter months especially, Maltol toffee is likely to be in big demand, for it is cheap, and Messrs. Guest supply a most attractive show-card measuring 12½ in. by 10 in., of which we give a reduced facsimile without the colouring of the original.

## PHARMACEUTICAL SOCIETY OF GREAT BRITAIN.

### Council-meeting.

THE monthly meeting of the Council was held at 16 Bloomsbury Square, London, W.C., on December 4. Mr. Harrington, Mr. Harrison, and Mr. Cuff were absent from various causes. The Vice-President explained the scope of the lectures on bacteriology which Professor Hewlett, King's College, is to deliver next year as a post-graduate course. The receipt of a contribution of 60*l.* to the Benevolent Fund from the Liverpool and Birkenhead and Wirral Associations was the subject of congratulatory remarks from various members of the Council. From the Benevolent Fund grants were made in ten cases, amounting to 153*l.* 16*s.* A clause in the report of the Library, Museum, School, and House Committee relative to the salary of Mr. J. Rutherford Hill's assistant caused a division of the Council, but by a small majority the report was carried. Mr. Neathercoat outlined a scheme of organisation meetings during the next few months which is designed to cover the English counties. Mr. Young and Dr. Symes spoke enthusiastically of the success of the Manchester meeting and of Mr. Woolcock's ability and tact at the meeting. Mr. Rowsell stated that there is no reason for anticipating that there will be any departure from the terms of the National Insurance Act in regard to the dispensing service. The Council have resolved to address an inquiry to the Privy Council regarding the wording of the Phenol Order made under the Poisons and Pharmacy Act. A member of the Society was removed from the roll.

THE Councillors present were Mr. C. B. Allen (President), Mr. E. White (Vice-President), Mr. W. H. Gibson (Treasurer), and Messrs. F. E. Bilson, A. S. Campkin, W. L. Currie, F. J. Gibson, R. L. Gifford, D. Gilmour, A. Hagon, E. T. Neathercoat, F. A. Rogers, P. F. Rowsell, F. P. Sargeant, C. Symes, T. A. White, and J. R. Young.

### ABSENT COUNCILLORS.

The minutes of the previous meeting having been read and confirmed,

THE PRESIDENT said he had received communications from Mr. Cuff, who is attending a meeting of the Insurance Committee of the Kent County Council, and Mr. Harrington and Mr. Harrison, who are unable, owing to indisposition, to attend the meeting.

### POST-GRADUATE LECTURES.

THE VICE-PRESIDENT said that arising out of the minutes he desired to report that he had consulted Professor Hewlett, of King's College, regarding the suggested course of lectures on bacteriology. He had discussed with the Professor the best possible use to which the time at their disposal could be put. Having regard to the fact that the evening meetings are already fixed up till April the opportunities of apportioning the time were limited. It had been concluded that it would not be possible to give a complete course in the subject, especially in view of the fact that practical demonstrations would not be associated with the lectures. It occurred to him (the Vice-President) that the most useful development of the matter would be to follow the line that as bacteriology has been suggested for inclusion in the subjects of the examinations of the Society, and that there is at present but little information at the disposal of the Council on this matter, Professor Hewlett should consider the desirability of indicating what in his judgment the Council should do and how they should go about it. This will give the lecturer more trouble than if he had given text-book matter, but it will be of great use to the Society. He hoped to have the syllabus ready in a short time, when it would be made public.

### RESTORATIONS.

Three persons were restored to their former position in the Society, and four names were replaced on the Register of Chemists and Druggists.

### FINANCE.

THE TREASURER then presented the report of the Finance Committee. The receipts of the General Fund amounted to 1,360*l.* 9*s.* 3*d.*, made up as follows: Penalties and costs, 119*l.* 19*s.* 2*d.*; subscriptions, 39*l.* 18*s.*; "Journal" and publications, 1,068*l.* 3*s.* 7*d.*; registration-fees, 69*l.* 6*s.*; school-fees, 30*l.* 2*s.* 8*d.*; restoration-fees, 9*l.* 9*s.*; ground-rent, 23*l.* 10*s.* 10*d.*; making a balance of 979*l.* 18*s.* 7*d.* after deducting the payments from the previous month. From this the following amounts were recommended for payment: "Journal" and publications, 721*l.* 3*s.* 9*d.*; stationery, etc., 47*l.* 4*s.* 4*d.*; current expenses, 250*l.*; salaries, etc., 922*l.* 13*s.* 8*d.*; law charges, 20*l.* 9*s.* 10*d.*; house, 121*l.* 4*s.* 6*d.*; library, 11*l.* 5*s.* 5*d.*; school and examinations, 72*l.* 5*s.* 7*d.*—a total of 2,166*l.* 7*s.* 1*d.* The balance on the Benevolent Fund current account was shown as 842*l.* 19*s.* 1*d.*, from which was recommended for payment interest and printing accounts amounting to 137*l.* 0*s.* 10*d.* On the donation account the balance was 316*l.* 15*s.* 1*d.*, and on the Orphan Fund 46*l.* 14*s.* 10*d.* The report also mentioned that the scheme for holding district meetings had been submitted to the committee and recommended for the approval of the Council.

THE TREASURER called attention to the fact that the payments recommended to be made were 1,000*l.* less than at the corresponding period last year. The subscriptions to the Benevolent Fund were 93*l.*, against 138*l.* last December, and the payments are larger. Among the receipts were 7*s.* 6*d.*, the contents of a collecting-box, from Miss Kate Horniblow, five guineas from the Pharmacy Club, and "the very handsome sum" of 60*l.* from the Liverpool and Birkenhead and Wirral Associations as the proceeds of a smoking-concert. The letter from Mr. Laycock, the Secretary of the Concert Committee, was read, it being mentioned that 65*l.* was collected, but that 5*l.* is being retained to start the concert next year.

MR. YOUNG said the Liverpool chemists had broken their own records. He hoped their example would stimulate others to imitate this method of raising money.

DR. SYMES also commented on the success of the concert, and

THE PRESIDENT thought the thanks of the Council were due to the Concert Committee for their efforts.

The report was adopted.

### BENEVOLENT FUND.

The report of the Benevolent Fund Committee was taken *in camera*, after which

MR. F. J. GIBSON, Chairman of the Committee, moved the adoption of the report. It was recommended that grants be made in ten cases, amounting to 153*l.* 16*s.* The infant child of a deceased chemist was nominated for election to the Wanstead Infant Orphan Asylum. If the child is elected this will make five orphans who are being supported by the Orphan Fund.

The report was adopted.

A resolution was carried to authorise the Treasurer to pay one quarter's annuities to the four persons who will be elected next week to the Benevolent Fund. The President remarked that there will be thirty-one annuitants before the end of the year.

### LIBRARY REPORT.

The report of the Library, Museum, School, and House Committee was next considered. The report, which was presented by the Vice-President, stated that the committee approved of accounts of 9*l.* 8*s.* for house repairs and 16*l.* 3*s.* for electrical work. The question of tenant's repairs to 15 Bloomsbury Square was also considered. Paragraph 5 of the report stated that the committee had under discussion a remit from the Council relative to the salary of Mr. J. R. Hill's assistant, and recommended that the maximum salary fixed by the Council for that appointment should not be altered. The telephone has been installed in Mr. Woolcock's room on the



authority of the President and Vice-President. Copies of the Calendar and Register for 1913 were ordered to be printed. The Vice-President moved the adoption of the report.

Mr. GILMOUR expressed disapproval of Paragraph 5, and moved an amendment that that part of the report be not approved of.

Mr. CURRIE seconded, and on putting the matter to the vote Messrs. Bilson, Currie, Gifford, Hagon, Gilmour, Sargeant, and Symes voted for the amendment and eight against.

The report as presented was thereupon adopted, Mr. GILMOUR expressing himself as grievously disappointed.

#### ORGANISATION MATTERS.

Mr. NEATHERCOAT next presented the report of the Local Associations Committee, which dealt with meetings held and to be held throughout the country. The scheme of district meetings put forward includes the following: London, December 4; Norwich, December 5; Leeds, December 11; Preston, January 14; Nottingham, January 29; Birmingham, February 12; Southampton, February 19; Bristol, March 12; Exeter, March 13; Newcastle, March 26; Durham, April 9. Mr. Woolcock is to attend each of the meetings and two Councillors will also be present.

Mr. NEATHERCOAT commented on the report and referred to the great usefulness of the work that is being done in organising chemists for negotiating with Local Insurance Committees.

Mr. YOUNG referred to the Manchester meeting, at which 400 chemists were present. Mr. Woolcock was kept busy answering questions, the meeting being in every way a "complete and absolute success."

The VICE-PRESIDENT said he was glad to hear that, as when he visited Manchester with Mr. Woolcock there was displayed a distinct spirit of hostility.

Dr. SYMES said the meeting was exceedingly enthusiastic and was well attended by representative men. He bore testimony to Mr. Woolcock's ability and tact; he possesses a persuasive way that is able to convert opponents into friends.

Mr. GIFFORD said the success of the meetings fully justifies the work of the Local Associations Committee.

#### SUPERINTENDENTS OF EXAMINATIONS.

The following were appointed superintendents and deputy-superintendents of written examinations: London, Mr. C. B. Allen and Mr. Harry Moon; Edinburgh, Mr. C. F. Henry and Mr. James Nesbit; Manchester, Mr. Harry Kemp and Mr. Charles Swinn.

#### DIVISIONAL SECRETARIES.

In announcing the filling up of seven vacant positions as Divisional Secretaries the PRESIDENT said that last month he omitted to state how much indebted was the Society to the Divisional Secretaries and for the ready response which they made when communications were sent to them from headquarters.

#### APPRENTICES REGISTERED.

The REGISTRAR presented his monthly report on registrations of apprentices or students.

#### PARLIAMENTARY COMMITTEE.

Part of the report of the Parliamentary and General Purposes Committee was read in public. It stated that Mr. Rowsell reported on the pharmacy service under the National Insurance Act and said he had no reason for anticipating that any departure would be made from the terms of the Act in the matter of dispensing. Attention was drawn to the wording of the Order issued by the Privy Council under the Poisons and Pharmacy Act regarding phenols. It was left to the President and Vice-President to communicate with the Privy Council on this matter.

Mr. ROWSELL called attention to the regulations issued by the English Insurance Commissioners regarding the appointment of District Insurance Committees. Pharmacists are given the right to be represented on these committees.

The report was adopted.

#### A MEMBER'S NAME ERASED.

The name of a member of the Society who has been guilty of conduct subversive of the interests of the Society was ordered to be erased from the roll of members.

#### CORRESPONDENCE.

The Privy Council wrote approving of the appointments of examiners made for 1913, and the examiners wrote thanking the Council for their appointments.

The Local Government Board sent a copy of the recently issued report on the nature of the colouring-matter of flour.

Communications from the North Staffordshire Association and the Middlesbrough Association in reference to the National Insurance Act were remitted to the Parliamentary and General Purposes Committee. Another letter, from the Watford Pharmacists' Association regarding the dispensing tariff, was sent to the Pharmaceutical Standing Committee on Insurance.

The Grimsby Association expressed confidence in the Council's policy regarding the National Insurance Act, and stated that they are prepared to accept any tariff brought out by the Society.

This ended the public business.

### P.A.T.A.

THE election of members of the 1913 Council of the Proprietary Articles Trade Association has just taken place with the following results:

#### MANUFACTURERS' SECTION.

##### *Elected.*

Allen & Hanburys, Ltd., Bethnal Green, E.  
Beetham & Son, Cheltenham.  
J. Grossmith, Son & Co., Newgate Street, E.C.  
S. Kutnow & Co., Ltd., Farringdon Road, E.C.  
Mellin's Food, Ltd., Peckham, S.E.  
Newton, Chambers & Co., Ltd., Sheffield.  
Thos. Powell, Ltd., Blackfriars, S.E.  
Sanitas Co., Ltd., Limehouse, E.  
Scott & Bowne, Ltd., Stonecutter Street, E.C.  
Wright, Layman & Umney, Ltd., Southwark Street, S.E.

##### *Not Elected.*

J. H. Cuff & Sons, Cattle Market, N.  
Daisy, Ltd., Leeds.  
Fletcher, Fletcher & Co., Ltd., Holloway, N.  
G. B. Kent & Sons, Ltd., Farringdon Road, E.C.  
Parke, Davis & Co., Beak Street, W.

#### RETAIL SECTION.

There is no change in the *personnel* of this Section, the present members being elected without opposition. They are:

J. G. Atkinson, 27 Lunham Road, Upper Norwood, S.E.  
A. J. Barnes, 1 Charlemont Street, Dublin.  
W. R. Barnes, Bull Road, Vange, Pitsea, Essex.  
C. J. G. Bunker, York Street, Twickenham.  
R. Feaver Clarke, Danholm, Pelham Road, Gravesend.  
H. W. Colley, 253 Cleethorpes Road, Grimsby.  
S. N. Pickard, Ossett, Yorks.  
G. P. Pond, 68 Fleet Street, E.C.  
P. F. Rowsell, F.C.S., 74 High Street, Exeter.  
J. W. Sutherland, 127 Buchanan Street, Glasgow.

#### WHOLESALE SECTION.

##### *Elected.*

Barelay & Sons, Ltd., Farringdon Street, E.C.  
G. H. Burroughs (John Thompson, Ltd.), Liverpool.  
W. Edwards & Son, Queen Victoria Street, E.C.  
Evans, Gadd & Co., Ltd., Fore Street, Exeter.  
Hirst, Brooke & Hirst, Ltd., Leeds.  
May, Roberts & Co., Ltd., Clerkenwell Road, E.C.  
J. McCaig (Evans Sons Lescher & Webb, Ltd.), Liverpool.  
F. Newbery & Sons, Ltd., Charterhouse Square, E.C.  
Sangers, 258 Euston Road, N.W.  
James Woolley, Sons & Co., Ltd., Manchester.

##### *Not Elected.*

W. E. Gower (Butler & Crispe), Clerkenwell Road, E.C.

**CORN OR MAIZE OIL.**—The "Financial Times" states that one of the leading grain whisky-distillers in Scotland has discovered a process of treating maize by which a valuable oil is recovered. The firm intend to develop the process on a commercial scale.

## Society of Chemical Industry.

### London Section.

A MEETING of this section was held at Burlington House, Piccadilly, W., on December 2, with Mr. G. T. Holloway in the chair. Dr. L. A. Levy explained new apparatus for the examination of mine air, which he has designed for the estimation of methane and carbonic-acid gas to meet the requirements of the Coal Mines Act, 1911.

One of these is for estimating fire-damp only, and an accurate analysis can be completed in about five minutes. The other provides means for the estimation of carbon dioxide and oxygen as well as of fire-damp. Both instruments are safe and can be taken into the most fiery mine without any danger of causing an explosion. Mr. W. J. Dibdin followed with a description of the present position of his slate-bed treatment of sewage, this being the latest development of his system of aerobic treatment. The earthy matter which is left after the process has been carried through is innocuous. A sample of this residue was handed round for examination. In one case, where the system has not been properly carried out, the results have not been satisfactory.

The paper was discussed for about an hour.

### Nottingham Section.

A MEETING was held at University College, Nottingham, on Wednesday, November 27, Mr. S. R. Trotman presiding.

Mr. Jos. T. Wood read a paper by himself and Mr. Douglas J. Law on the

#### ENZYMES CONCERNED IN THE BATING OR PUERING PROCESS.

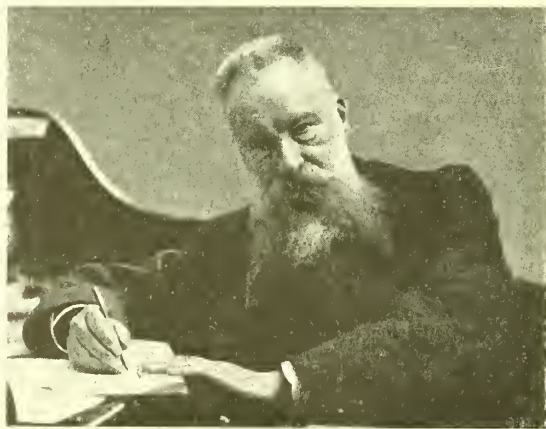
Mr. Wood referred to his early work on the theory of this process and the consequent introduction of the artificial bate "erodine." The idea of the enzymate bate had been carried forward in Germany, so that there is now on the market an artificial bating-compound the active principle of which is the enzymes of the pancreatic juice. The work described in the present paper was carried out with a view to throwing light on the origin of the enzymes present in the dung of the dog (used in the process), whether they are of bacterial origin or products secreted by the internal organs of the animal. To that end quantitative and qualitative experiments were made on extracts of various organs of dogs previously killed by chloroform and carbonic-acid gas. The test for tryptic enzymes was carried out by observing the liquefying effect of the solution on gelatin jelly. Tubes were made up containing 5 c.c. of 4-per-cent. gelatin solution, and a measured quantity of the enzyme solution added, and the tubes kept at a temperature of 38° C. for half an hour. If the solution contained tryptic enzymes the gelatin was digested to such an extent during that period that it no longer set to a solid jelly on cooling. Experiments were made showing the great activity of a glycerin extract of puer by this method. From the examination of the organs of the dogs and their contents the authors found that the contents of the whole of the small intestine are active in alkaline solution, but not in acid solution, while the large intestine contents are active in both acid and alkaline solutions. Their explanation of this is that peptic enzymes are secreted by bacteria developing in the large intestine. The authors were able to prove the presence of five distinct enzymes in the light-brown powder prepared by precipitating with alcohol a glycerin extract of dog-dung. The enzymes are tryptic and peptic enzymes, rennin, diastase, and a lipolytic enzyme. Some enzymes prepared by Mr. Wood in this manner in 1897 were found on testing to have retained their activity apparently unimpaired for the period of fifteen years.

The authors described various methods which they had tried for determining the tryptic strength of enzymes, and stated that the method of Gross appears to be particularly applicable for determining the enzyme strength of bating-compounds. The method consists in allowing the enzyme to act on alkaline solution of casein, afterwards making acid with acetic acid, when all undigested

casein will be precipitated. They had worked out a method of following the course of tryptic digestion by means of the hydrogen cell. The enzyme is allowed to act upon an alkaline solution of gelatin, and the reduction of alkalinity which takes place by the amido-acids produced by the digestion of the gelatin is followed by immersing a hydrogen electrode in the liquid and measuring the difference of potentials between it and a normal calomel auxiliary electrode.

## Sugar from Wood.

THE hall of the Society of Arts in London was well filled on Wednesday evening, December 4, when Mr. A. Zimmermann delivered a lecture on "The Manufacture of Sugar from Wood and its Economic Importance." Mr. Thomas Tyrer presided, and many gentlemen connected with the chemical trade were present. The



MR. AUGUST ZIMMERMANN.

pharmaceutical interest of the lecture lay chiefly in the fact that several years ago Mr. Zimmermann took up practically the "Classen" process for converting wood into fermentable carbohydrates for the production of alcohol. In the process sawdust is digested with weak sulphurous acid in an autoclave under 90 to 100 lb. pressure, whereby a product is obtained containing 25 per cent. of sugar, with 18 per cent. of alkali or acid-soluble and 56 per cent. of insoluble carbohydrates. Incidentally, acetic acid, furfural, formaldehyde, and other volatile substances are produced as by-products. The lecturer showed samples of them all. The solid saccharine residue is a suitable spirit-making material, but the Spirits Act, 1830, places such restrictions upon the spirit industry that the lecturer and his associates could not go further with the matter, and they turned their attention to the utilisation of the product ("sacchulose") as a cattle-feeding stuff. By admixture with a certain proportion of molasses "sacchulose" provides a coffee-coloured coarse powder which, under the name "Bastol" has during the past four years been extensively used as a food for animals; and the greater part of the lecture was devoted to an account of experiments and experience with it. These completely demonstrate the value of Bastol. There are, however, many possibilities for the utilisation of this converted wood substance, and the lecturer dealt with its value in several directions, especially in the manufacture of spirit. As to this Mr. Zimmermann said that a factory capable of treating 200 tons of sawdust per week could turn out between 300,000 and 400,000 gals. of proof spirit per annum. This would also give by-products of 50 tons acetic acid, 10 tons furfural, and 2,000 gals. of methyl alcohol for recovery. The spirit produced is of high quality, being free from fusel oil, which in these days is a mixed advantage, since it appears that the fusel oil obtained as a by-product is becoming more valuable than the spirit produced. Time



was, and not more than twelve years ago, when fusel oil was worth only 10*l.* to 20*l.* per ton, while to-day it fetches 150*l.* per ton, and this is rising rapidly day by day.

The lecture was illustrated with numerous diagrams and lantern-slides. It was followed with keen interest for fully an hour. A good discussion followed, Mr. W. F. Reid, Dr. Thorne, and Mr. Cross being the principal speakers. Others testified from practical experience to the feeding value of Bastol, and the Chairman, in summing up, made a suggestive speech in regard to the Revenue restrictions on spirit manufacture, indicating that the liquid-fuel problem may ere long pave the way to legislative reform in this regard.

## Gas Residuals.

[The first meeting of the Joint Committee of Lords and Commons appointed to consider the question of the manufacture of residual products by gas authorities was reported in the "C. & D.," November 30, index folio 815.]

WHEN the Committee reassembled on Tuesday, December 3, the Chairman (Mr. J. W. Hills, M.P.) requested each side to prepare and submit to the Committee a clause representing in terms what each desires. Counsel on both sides at once undertook to do so.

Evidence on behalf of the gas authorities was continued. Mr. Robert G. Shadbolt, resident engineer and manager of the Grantham Gas Co. and past President of the Institution of Gas Engineers, was examined by Mr. C. C. Hutchinson. He stated that in April, as the result of the opposition of the Alkali Manufacturers' Association to private Bills before Parliament, a circular letter containing the following eight questions was sent out to 1,500 gas authorities throughout the country at the instance of the Council of the Institution of Gas Engineers—viz.:

- (1) Do you make up your liquor into sulphate of ammonia or concentrate it?
- (2) Do you make sulphuric acid?
- (3) Do you distil your tar or prepare it for road purposes?
- (4) Do you purchase ammoniacal liquor, tar, or spent oxide from any other gas undertaking?
- (5) Do you sell any of the alkali-products from residuals?
- (6) If you sell your residuals to chemical manufacturers, is there any real competition for them?
- (7) Have you any local restrictions against (a) working up your own residuals, (b) buying residuals from other undertakings to be worked up in your own?
- (8) Have you any further information?

Replies came up to the end of June from 746 undertakings, from the very largest down to the very smallest, and represented 87.55 of the total output of the United Kingdom. To the first question 372 replied in the affirmative; 353, said witness, make sulphate of ammonia, and ninety-three concentrate their liquor; seventy-six work up their tar, twenty-one stating that they actually distil tar, and twelve dehydrating it for road purposes. Nine undertakings manufacture sulphuric acid, five of these being municipal undertakings (Bradford, Coventry, Carlisle, Manchester, and Nottingham), and the remaining four being the three London companies and the Sheffield United Co. Of these nine, six purchase spent oxide from other gas companies. Sixty-one replied that they assist their neighbours by purchasing residual products from them—in fifty-seven cases ammoniacal liquor and in four cases spent oxide of iron. The witness observed that there are doubtless many more undertakings which purchase residuals from other undertakings, but the information quoted was the extent of the voluntary admissions on the point. A special letter was addressed to these sixty-one undertakings asking for further information: forty-six expressed their willingness to give it, most of the others demurring to the proposal on the ground that their interests might suffer. The witness handed in a tabulated statement giving the names of the forty-six undertakings, and setting forth what they do and what they buy. The statement did not give the amount of the

purchases, but it quoted the output of gas in respect of each to illustrate the magnitude of the concerns affected. Bradford purchases from Shipley and other small works; Coventry from eleven at present; Derby from Repton and others, etc. The statement showed that the benefit of this interdealing is offered to the smaller undertakings in the neighbourhood. There are no works of under ten millions output which purchase, but there are ten under ten millions which sell. The hardship of any restrictions, said the witness, will fall upon the small companies, which will then be at the mercy of the chemical manufacturers. Continuing, he said that 448 of the 740 replied that they consider that there is little or no actual competition for the products, and that free-trading and competition are reduced to a minimum by the concerted action of the chemical manufacturers. Witness was cross-examined by Mr. Fitzgerald as to the conditions of manufacture of ammonia sulphate and other chemicals by the gas companies generally. Asked to explain why Biggleswade sells liquor to Coventry, he replied that the latter may make a profit out of it, and he did not see anything against Coventry's action if they have sufficient plant. They must be able to pay a better price for the liquor than the chemical manufacturers offer.

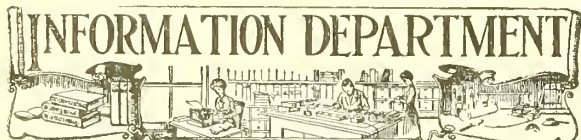
Counsel: Yes; they have the rates behind them.

Evidence was also given by Alderman Phillips, Chairman of the Gas Committee of the Salford Corporation, and by Mr. Wm. Kay, Chairman of the Gas Committee of the Manchester Corporation. The latter stated that as a result of a combination among chemical manufacturers the Corporation received only one *bona-fide* tender out of four or five for their ammoniacal liquor, and as a consequence they decided to set up their own sulphate plant. The value of their products has thus gone up from 34.12 in 1902, the last year they sold ammoniacal liquor to the manufacturers, to 71.91 per cent. of the gas of coal carbonised in 1912.

On Wednesday Professor Vivian B. Lewes, chief superintending gas examiner to the Corporation of London, was the first witness. He stated that a little under half the manufacturers of gas in the country make sulphate of ammonia, and probably about 10 per cent. of them deal with tar, while 3 per cent. distil tar. He considered that the proposed restrictions with regard to the disposal of residuals would do more damage to the gas authorities than good to those who seek the restrictions. In cross-examination the witness admitted that he could not give the name of a single place where ammoniacal liquor in any quantity is produced for sale other than at gasworks.

Mr. F. W. Stevenson, gas engineer to the Corporation of Coventry, stated that his undertaking buys ammoniacal liquor from eleven gasworks. He quoted the amount of the annual purchases of liquor for a number of years. In 1906 4,363 gals. were bought, and the amount increased until 1912, when the purchases were 482,358 gals. They convert the liquor into concentrated liquor and sell it to chemical manufacturers. Sulphuric-acid plant is now being built, and this will materially help them in negotiating with traders. The ammoniacal liquor produced at Coventry amounts to about 2,400,000 gals. a year. The reason for the large increase in the liquor purchases this year was that he was approached by gas companies who were not satisfied with the manufacturers' prices, and Coventry was able to quote better prices.

Mr. Phillips, Westminster, gave evidence as to the Hornsey Gas Co., and was followed by Mr. E. L. Burton, Bishop Stortford; Mr. W. Doig, chief engineer of the South Metropolitan; Mr. W. A. Shultz, C.A.; and Mr. G. W. Anderson, Westminster. The Committee again adjourned until Thursday, when Mr. Fitzgerald intimated that the clause he would ask the Committee to adopt would be that in the model Bill. Mr. Balfour Browne addressed the Committee, and urged that no restrictions should be placed on gas companies dealing in residuals, whether their own or those of other undertakings. He asserted that the object of the alkali manufacturers is to create a monopoly at the expense of six and a half million consumers of gas. Mr. Fitzgerald followed with an address to the Committee.



Postal Address:  
C. & D. INFORMATION DEPARTMENT, 42 Cannon Street, London, E.C.  
(Telegraphic Address: "CHEMICUS LONDON."  
Telephone No.: BANK 852 (two lines).

### INFORMATION WANTED.

We would be obliged if any reader would inform us by post-card or telephone who are the makers or agents of the articles mentioned in the following inquiries:

- 146/13. Pyrolusin: supply.
- 142/30. "Janos" cloth-balls.
- 141/13. Mouche's court-plaster.
- 146/212. "Quincola": makers.
- 142/300. Stearn's corn-remover.
- 140/72. "Rainbow" toilet-rolls.
- 140/69. Taylor's diabetic bread.
- 147/340. Goode's asbestos socks.
- 146/216. Nern's headache cachets.
- 140/68. Collins' cure for deafness.
- 147/34. "Puritas" perfume spray.
- 142/21. Dr. Bowden's tooth-powder.
- 147/43. "Ciro" rubber muff-warmer.
- 146/2. Benzostamine tablets: makers.
- 144/63. Hoffmann's pessaries: supply.
- 145/67. "Thluisin" hospital sheeting.
- 146/211. "Cambard Infusers": supply.
- 143/63. Liebrich's eye-shades: suppliers.
- 142/210. Dr. Mitchell's dentifrice: supply.
- 134/41. Cavallier freres' perfumery: supply.
- 148/62. "Novum" perforated court-plaster.
- 144/63. Massage rollers (celluloid): makers.
- 128/31 and 133/43. Le Roche's food: supply.
- 148/2. Madame Cross's Beauty Cream: supply.
- 147/36. "Evona" peroxide tooth-wash: supply.
- 128/74. "Pompador" toilet articles: suppliers.
- 146/215. Dr. Trainer's Bulgarian milk preparation.
- 149/28. "Ajax" syringe, made by Pyer Rubber Co.
- 141/130. "Succobash": what is it, and who makes?
- 12/14. "Trower's Pig Powders": address of makers.
- 146/20. "Adelina" perfume (violet and rose): makers.
- 144/73. Instrument to place over mouth for stammering.

### INFORMATION SUPPLIED.

During the past week we have answered inquiries as to the makers or sellers of the following articles. The information will be repeated to other inquirers who send to this Department a stamped and addressed envelope for the purpose.

- "Aidum" shefflets, 146/12
- Alexander's pumice-soap, 137/57
- Allan's "Antifat," 145/69
- Amcl jelly, 144/10
- Boldoot's cau de Cologne (agents), 139/1
- Brady's "Dearmol," 141/3
- Calogen fumigators, 141/13
- Calvert's voltaic discs, 142/2
- Capsule-filling machines for powders (American inquiry), 155/24
- Carbon dioxide (in cylinders for export), 135/373
- Chrialmaline, 137/44
- Christian's laxative bread, 138/12
- Codd's bottles, 1,000 dozen lots (for export), 9135/371
- Coulsworthy water, 135/72
- Crotalin, 133/68 and 143/59
- "Cyntol" mouth-wash, 138/22
- Dental plate brushes, 140/50
- Dolls, dressed (for Christmas distribution), 143/72
- Drug grinding, 136/59
- Eau de Vilja, 124/47
- Embossed-paper seals, 146/56
- Emulsifying machines, 134/62
- Enteronal tablets, 142/30
- Essence Reseda, 146/4
- Fellows' syrup (actual makers), 123/54
- "Fluent" fountain pens, 143/63
- Friedmann's consumption-cure, 134/42
- Fuo, 142/45
- Gelatin-filled soothers, 131/31
- Glassine labels, 136/38
- "Gloire de Paris" perfume, 134/40
- Goat's milk in capsule form, 129/5
- "Golden Nugget" ointment, 124/330
- Grovc Chemical Co.'s products, 126/34
- Gum chicle importers (German inquiry), 145/67
- Hæmoglobin, 137/51
- Hair and felt socks, 124/44
- Hebra's spirit soap, 124/33
- Hewthorn's "Bronkura," 145/25
- Hoad's baby-food, 144/16
- Honoré Payan's perfumery (London agent), 129/41
- Horsford's acid phosphates, 146/11
- Hydrogen peroxide plant, 123/44
- Ichthargan, 144/65
- "Ideal" bed-pan, 146/3
- James's condition-powders (for dogs), 9142/210
- Johnson's cough linctus, 141/13

- Knapsack sprayers (for disinfecting), 142/9
- Koh-i-noor tooth-brushes, 146/3
- Kolentos, 146/210
- Laxative bromo-quinine (Japan inquiry), 143/61
- Liq. ammoniac, 830, ton lots (for China), 135/37
- Lozenge-cutting machines (Colton's), 147/22
- Massarger, 146/214
- Midgley's mercurial soaps, 145/68
- Milk of cowslips, 149/4
- "Mono" hygienic honey-pots, 142/72
- "National" plasters, 139/65
- Nitragen, 147/43
- Paraffin liquid, colourless (for China), 135/370
- Phytin, 140/66
- Pill-machines, 143/18
- Pneumosan, 143/70
- Potassium permanganate (ton-lots), 135/374
- Purdue's fluid sulphur, 140/13
- Quinine urea solution in ampoules, 142/19
- Raub's (Dr.) cutaneous soap, 146/21
- "Rubidia" perfume, 140/58
- "Sacco" consumption-cure, 140/67
- Salacetol, 149/2
- Sodium-demethyl-pyrazolon-methane-sulphonate, 140/18
- Secretogen, 145/66
- Souchets, 133/482
- Sponge nets (first-hand supply), 134/4
- Sticco, 140/69
- Stiefel's soaps, 145/46
- Sugar - of - milk makers (French inquiry), 133/59
- Surgical dressings (for export to China), 135/375
- "Sylvia" polishing-preparations, 146/21
- Tattooing-ink, 141/2
- Thalein laxative chocolate, 123/3
- Thiomel ointment, 126/36
- Tibbald's blood-tonic cream, 133/33
- Tin boxes decorated, 134/600
- Tropen preparations, 141/10
- "Universal" anti-destroying apparatus, 125/29
- Vacuum flasks, 126/68
- Valérie Joy's face cream, 123/37
- Van Vleck's pile-cure, 134/3
- Vigorox, 126/35
- Vilmar's cream, 133/18
- Visser's rennet, 129/66
- Von Heyden's products, 143/60
- Vulcanite pipes (special), 3/1
- Wilson's ear-drum, 129/71
- Wooden barrels (for toilet-powder, etc.), 149/3
- Worm bon-bons (in export quantities), 135/372

## WESTMINSTER WISDOM.

### The Week in Parliament.

#### OPIMUM REPORT.

Mr. Theodore Taylor, M.P., who is an authority on the question, informed our Parliamentary representative that the report of the British delegates is very much what was expected. It will not, however, become internationally operative until all the Powers concerned have agreed upon a common course of action.

#### SALE OF FOOD AND DRUGS ACTS.

In the House of Commons on December 3 Mr. Gretton asked the Prime Minister if there is any clause in the Government of Ireland Bill which would prevent the Irish Parliament repealing or altering in any way the Sale of Food and Drugs Acts, and if so, which.—The Prime Minister replied that there is nothing in the Bill to prevent the Irish Parliament from repealing or altering the provisions of these Acts as regards matters within their legislative powers.

#### WEIGHTS AND MEASURES REFORM.

The suggestion is being made to the Prime Minister that a Committee should be appointed to inquire into the best method of securing a uniform system of weights and measures. Several Bills on the subject have been introduced in recent Sessions, and Mr. W. C. Bridgeman, M.P., who is responsible for the present suggestion, informed our Parliamentary correspondent that such a Committee would probably be representative of the Board of Trade and the Local Government Board in order that some uniformity of opinion might be arrived at to secure the passage of a Bill through Parliament.

#### POST OFFICES AND THE SHOPS ACT.

Viscount Galway called attention in the House of Lords on Tuesday, December 3, to the manner in which the post offices in the rural districts are using the Shops Act for the purpose of closing the telegraph offices for one half-day in each week, thereby causing great inconvenience to the general public. Lord Strachie replied that the action of the Postmaster-General had nothing whatever to do with the Shops Act, but had been taken in consequence of a recommendation made by a Parliamentary Committee in 1907.



## OBSERVATIONS & REFLECTIONS.

By Xrayser II.

### The Extraordinary Interest

of Mr. Umney's evidence under cross-examination is due almost as much to the witness's wit and dialectic skill as to its intrinsic importance; "as good as a play," and a play by Mr. Bernard Shaw, may justly be said of it, but our enjoyment of the dialogue is subordinate to the satisfaction of seeing the matter at issue placed so convincingly in its true light. It would be impossible, even were it desirable at the present stage, to review the evidence as a whole, and I will mention only one or two points, all arising out of a single fact, upon which Mr. Umney rightly insisted—the fact that there was no public demand for this inquiry. It was due entirely to the initiative of the medical profession, by whom in its earlier stages it was mainly engineered, and who alone stand to gain anything substantial by it.

### The Increased Stringency in the Laws

dealing with patent medicines which the doctors demand would undoubtedly put money in their pockets, but it would most probably entail a pecuniary loss to the chemist, whereas the public, so far from gaining, would suffer by it. This is Mr. Umney's considered opinion, and all the keen questions put to him "in the medical interest," or, as Mr. Bathurst wittily amended the phrase, "in the public interest as viewed from the medical standpoint," could not move him from it, but only drew from him the further assertion that even in professional hands medical practice is, so far as medicine is concerned, largely empirical. If no reason can be given for the effects of nine-tenths of their drugs, then in prescribing "secret" remedies (as many of them do) doctors are very little more in the dark than when they confine themselves to official precautions—a fact which may or may not justify the professional use of proprietaries, but certainly does not justify the present attack upon them.

### The Adulteration of Food and Drugs

has too long been a recognised feature in Indian trade, and the measures which you announce as now to be taken to suppress the evil will not come a moment too soon. Though it may be some time before the passage of the enactment spoken of takes place, there can be little doubt when it does come that the example will in due season be followed by the Native States. If, therefore, a sufficient number of analysts are to be appointed to cope with the immense amount of adulteration that is said to exist, it will mean a demand for many analytical chemists, and the young men who are studying for the Institute of Chemistry may find openings much sooner than has hitherto seemed probable. For a population of 230 millions under British rule and 70 millions under native rulers there must be room for hundreds of analysts.

### The Distribution of Quinine

is apparently on a different footing in Malaya from what it is in India. In the Malay States the quinine is given away gratis, whereas in India it is sold to the natives at a low figure. Hence, as Dr. Fox states, the Indians value the drug much more than do the Malaysians who get it free. In order to produce quinine tablets as cheaply as possible the Indian Government have gone into the manufacturing business, and, unfortunately for the druggists, they have not been content

with compressing tablets; they are producing other galenicals as well. Moreover, they are not only supplying their own hospital requirements, they are actually trading with the Native States; and as a result a strong feeling has been aroused against this attempt to deprive the local dealers of what they consider their fair share of the profits. It is quite likely that more may soon be heard of this matter. There is something to be said on both sides, of course, and probably the most important argument in favour of the action of the Government is that it will tend towards pure trading, and in this way the health of the community will benefit.

### Pythagoras

is said, as you reminded us the other week, to have written a treatise on squills and to have invented acetum scillæ, but neither assertion appears to rest on any good foundation. For the first, Pliny is cited by Wootton as the authority, but Pliny, so far as I can find, does not say where he got his information. Scholars are agreed that Pythagoras wrote nothing, or at any rate nothing that survived him, and our chief authority for his life and works, Philolaus, who wrote about eighty years after his death, is a rather shadowy sort of person and of doubtful value. His manual of Pythagorean teaching is said to have been reduced to writing from oral tradition. Squill, however, is one of the most ancient of drugs. It is reputed to have been known to Epimenides (whence it was called Epimenidea) in the seventh century B.C., nearly a century before Pythagoras can have spoken of it; but the first occurrence of the name recorded by Liddell and Scott is by Theognis (B.C. 548), who was contemporary with the more famous philosopher. The earliest mention of the acetum according to the same authorities is by Dioscorides, about the time of Pliny. Galen had a great opinion of the virtues of this preparation, and Sanius (whoever he was) is said to have attained to the age of 117 years by its use, as may be read at large in Culpeper.

### A Monograph on Pomanders,

says a correspondent of "Notes and Queries," is still a desideratum, and though he does not supply the want, he and others have contributed a good deal of information on the subject to recent numbers of the little serial named. "The Connoisseur" of March last dealt with it at some length in a well-illustrated article, and in view of the fact that pomanders are being revived in America, a few words about them will not be out of place here. The word "pomander" is derived from the French *pomme-ambre*, and signifies a ball of aromatic substances, usually carried in a bag or box as a preservative against infection, but sometimes made into a sort of beads, which, being pierced while still wet, are strung as a necklace and dried. The mode now being followed in America is, says the Washington "Sunday Star," to enclose the scent-balls in little jewelled cases hung on silver chains. I have several receipts for pomanders in old books, one of the most elaborate of them being that in Mr. Weddell's "Arcana Fairfaxiana," which is as follows:

"To make Pomanders. Take Amber grease, 32 graines; Muske, 44 graines; Sevitt [civet], 16 graines; Baum Benjamin, 6 graines; Storakes, 15 graines; Labdanum, 6 graines; Gumdragon steep in Rose water very thick; and beat them in a stone mortar to a strong paiste, and then mould them."

Sometimes the pomander-cases were made in segments, each of which contained a different perfume; they were carried hanging from the girdle, as seen in the portrait of a little girl at Hampton Court. In the MSS. Department of the British Museum (Add. Ch. 56072) there is an account of the cost of certain spices used in them (*temp.* Henry VIII.), which I copy:

"Siperis [Cyperus], x li., vjd.; nygela [Nigella] Romana, ij3. vjd.; Cloves, iij3. ijs. viijd.; Callamos, iij3. viijd.; Bengemen, ij3. ijs. viijd.; Storax Callamye, ij3. ijs.—Som [sum], ixs."

These prices must be multiplied by 8, at least, to get present value.

We beg to advise the Trade  
that our

## NEW PRICE LISTS

came into force on Nov. 5th,  
1912, and special attention  
is asked to the alteration in  
charges for packages, &c.

**THE SANITAS CO., LTD.,**  
LIMEHOUSE, LONDON, E.

## FRESH BRAIN EXTRACT

in the treatment of Insanity, as per  
important recent contribution to  
the British Medical Association.

Enquiries for above also for

## STANDARDISED THYROID

(See Ext. Pharm. XV.) and other

## ORGANO-THERAPEUTICAL PRODUCTS

solicited.

**W. MARTINDALE, Manufacturing Chemist,**  
10 New Cavendish St., London, W.

## "MILK OF MAGNESIA"

(Registered Trade Mark)

(PHILLIPS')

For special terms apply to **THE CHARLES H. PHILLIPS CHEMICAL CO.,**  
14 Henrietta Street, Covent Garden, W.C.

**FRENCH**  
and all Foreign  
**PROPRIETARY**  
**MEDICINES**  
can be obtained from  
**WILCOX, JOZEAU & CO**  
49 Haymarket London SW  
Price List on Application  
Special Export Terms  
Foreign Prescriptions  
dispensed for  
Pharmacists

**S.V.M.** METHYLATED SPIRIT  
Also RECTIFIED SPIRIT.  
**S.V.R.**  
**Jas. Burrough Ltd.** D.I. Cale Distillery, Hutton Road,  
LAMBETH, S.E.

**FLETCHERS'** FOR TINCTURES, INFUSIONS,  
AND SYRUPS.

## CONCENTRATED

Sole Proprietors:  
**FLETCHER, FLETCHER, & CO., Ltd.** **LIQUORS**  
London and Sydney.

## Editorial Articles.

### The Opium Convention.

ALTHOUGH practically twelve months have elapsed since The Hague Opium Conference met, the report of the British delegates has only just been issued as a Parliamentary Paper [Cd. 6448]. The report was written in April, and is signed by Cecil Clementi Smith, W. S. Meyer, W. G. Max Müller, and William Job Collins, who in their summary of the proceedings state that in prescribing measures for confining the use of morphine, cocaine, etc., to legitimate medical purposes, placing the production and distribution of raw opium under rigid control, and restricting, with a view to eventual extinction, the trade in prepared opium, the Convention has for the first time laid down as a principle of international morality that the various countries concerned cannot stand alone in these measures. In order to give adequate effect to this principle, practical unanimity in regard to the measures possible and desirable was of course essential; and accordingly less stringent measures than had at one time seemed possible as regards morphine, cocaine, etc., were reluctantly agreed to rather than run the risk of losing this portion of the Convention altogether. The acceptance of restrictive measures in regard to morphine and cocaine is noted as standing to the credit of the British Government, but the delegates do not seem very hopeful as to the proposals being carried out without considerable delay. In fact, we may state that none of the twelve Powers who signed the Convention have yet ratified it. It will be remembered that twelve months was allowed for ratification, and on the question being raised in the House of Commons last month as to when ratification would take place, Sir Edward Grey gave a non-committal answer. The difficulties in the way arise, of course, from the fact that the number of Powers represented at the Conference, being limited to twelve, are not alone competent to carry out the full extent of international co-operation which the Convention enjoins, and it is recognised that it would be unreasonable to expect the participating Powers to sacrifice their own trade interests for the sake of international morality when there are many outside Powers on which no such obligation would rest. It was provided that, after the signing of the Convention, the first step should not be ratification by the signatory Powers, but an invitation addressed to the thirty-four Powers of Europe and America not represented at the Conference, to sign the Convention also, and thus put themselves on the same footing as the original participating Powers. In the event of some of these outside Powers not having signed by December 31,



1912 (and there are many who have not done so), it will be necessary to summon a fresh conference of the signatory Powers to consider how far the stipulations of the Convention can nevertheless be ratified. Then, again, there are other difficulties which are likely to arise in regard to the carrying out of laws or their administrative equivalents to be enacted by the several Powers, as it would not be fair to expect one Power to embark on drastic measures which might be to the benefit of other Powers not prepared to go so far. As regards the attitude of Germany at the Convention, we take the following from the report:

Opposition to action on these lines was only to be anticipated, and since Germany has a practical monopoly of cocaine production, and claimed to have a satisfactory system of domestic control, her delegates were reluctant to embark on further measures that might sacrifice a lucrative German industry for the benefit of outside countries not represented at the Conference. Their contention was that foreign countries should look after themselves by tightening their systems of police and Customs control, or by some similar measures.

Difficulties, however, were smoothed over by the friendly spirit which prevailed between the British and German delegates, and agreement was obtained on the more important issues involved. By desire of Germany all reference to codeine was omitted, on the ground that its introduction as a drug, which at present called for special measures, would indicate that other drugs might be penalised without adequate reason, and that there was no evidence that codeine is a habit-forming drug. In the interval the signatories of the Powers not represented at the Convention have been coming in slowly. Those who have signed since the Convention met include Belgium, Costa Rica, Ecuador, Guatemala, Honduras, Luxemburg, Mexico, and Panama. The chief South American States—Peru and Bolivia, who produce coca—have not yet signified their intention of signing, and Switzerland—an important manufacturer of alkaloids—appears to have held aloof.

### Post-graduate Lectures.

The statement made by the Vice-President of the Pharmaceutical Society at the Council-meeting this week regarding the next post-graduate course of lectures is somewhat disconcerting. It is true that the remarks made by "Xrayser II." in our issue of November 23 demonstrated a measure of unsuitability in the subject proposed (which Professor Hewlett appears to endorse), but Mr. White's remarks this week are in such marked contrast with what he said a month ago that further explanation appears to be necessary. We recall the fact that Professor Crossley, then Dean of the School, speaking over a year ago regarding pharmaceutical qualifications in Great Britain, and referring especially to the Major qualification, said that one thing lacking in the School of Pharmacy was a post-graduate course for Major students. Through the generosity of Mr. S. W. Fairchild the lack was remedied, and the first series of post-graduate lectures was delivered by Sir William Tilden, Professor Perkin, and Mr. John C. Umney early this year. The subject, "Essential Oils," was particularly appropriate in two respects—viz., it is the one with which the Society's oldest Bell scholar, Sir William Tilden, commenced his distinguished scientific career, so that it might be regarded as a stimulus to the youths who heard him; and in the second place, England has an ancient reputation for certain essential oils, which is by no means dead, and this might reasonably be expected to extend with greater attention to the subject

in its commercial, scientific, and technical aspects. The success of the lectures was unquestionable, but we now begin to doubt, since the Vice-President's remarks on Wednesday, if we were right in the italicised portion of the following remarks a month ago:

"The Pharmaceutical Council decided upon *the first step towards making post-graduate lectures a permanency*, thus endorsing the utility and wisdom of the recent course on essential oils, which was made possible through the generosity of Mr. S. W. Fairchild. The Council has been decidedly unsuccessful with post-graduate lectures in the past, so it is now essential that the Vice-President should make the departure a success."

It may be desirable to reserve a decision on the matter, but it should be clearly understood that the effect of the resolution of last month was to set aside the arrangements under which this year's course was delivered. We understand that that scheme would have gone on from year to year, and that other gentlemen than Mr. Fairchild had expressed a desire to contribute to the success of the series. The matter has reached a nebulous condition since the Council decided to continue the series under the aegis of the Society; but we trust that Professor Crossley's original suggestion will not be lost sight of. His scheme gave promise of great things for the reputation of the School to which he is attached. More it is not necessary to say at present.

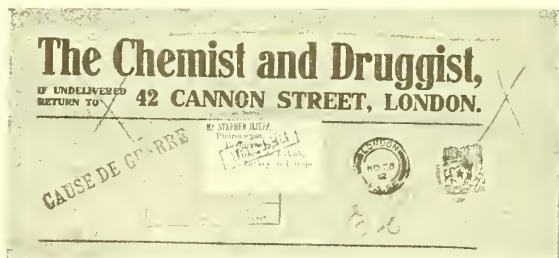
### A New View of Tuberculosis.

PROFESSOR METCHNIKOFF lectured last week in London at a meeting of the National Health Society on present-day knowledge regarding the tubercle bacillus, and at the same time pushed the boundary of the subject further on. The tubercle bacillus is much slower in its attack than some other disease-producing bacteria, because of the fact that the human body, by means of the phagocytes, fights actively the invading tubercle bacilli. Often the phagocytes are triumphant and succeed after a prolonged struggle in clearing out the bacilli. The frequency with which human beings are attacked by the tubercle bacillus and successfully repel its attack is now known to be far greater than was supposed to be the case five or six years ago. It has been found, after the examination of the bodies of adults who have died of other diseases, that practically none is free from evidence that at one time or other in their lifetime tubercular disease has been present. This is confirmed by Pirquet's test on living persons, in which a characteristic rose-coloured pustule is produced when tuberculin is superficially inoculated beneath the skin of those who have at any time harboured the tubercle bacillus. An examination made in this manner of the population of European towns shows that fully 90 per cent. have incurred infection by Koch's bacillus. The number of deaths from tubercle is 15 per cent., hence the conclusion is arrived at that eighty-five in every hundred persons attacked by that bacillus have recovered, and in the majority of cases without being aware that they had suffered from an illness of a tubercular nature. There is further reason for the belief that persons who have recovered in this way are immune against phthisis, as are those who in youth suffered from scrofulous glands—i.e., infection of the lymphatic ganglia by the tubercle bacillus. Professor Metchnikoff has proved this part of his subject by researches among the native population of Madeira and among the Kalmuk Tartars. The Kalmuks are relatively free from tubercular infection, but the boys who are sent to Astrakhan for their education soon become infected after their arrival. There is, therefore, no innate or racial

exemption from the attack of tubercle, but the universality of the infection becomes, after a time, the conferrer of immunity. It is a matter of infection with a mild or virulent strain, the latter producing pulmonary phthisis and consequent death. Professor Metchnikoff then described and discussed the various drug treatments which had been tried in tubercular disease, also the "tuberculin" of Koch, the serum injections, and the air and rest cure of sanatoria. None of these, he stated, are effective remedies, though some appear to help, in a certain degree, the natural curative process going on in the organism. Vaccination has hitherto proved futile, although Behring has made the discovery that the human bacillus of Koch, when inoculated into bovine animals, protects them against the bovine tubercular bacillus. The most encouraging and striking fact about tubercle at the present moment is that the mortality from it is decreasing very markedly. In the great cities, such as London, Hamburg, and Copenhagen, it has in twelve years fallen from an annual figure of 24 to 13 in the 10,000. This result is not to be ascribed to sanitation or treatment, but is due (in all probability) to progressive self-inoculation of the population with the ubiquitous feeble strains of the bacillus of Koch and consequent induced immunity or freedom from deadly attack. It is the business of science to devise means of guiding the process of self-inoculation, and to ensure that the child is inoculated with the right sort of tubercle bacillus before it falls a victim to the wrong sort. Sir Ray Lankester, who reported the lecture very fully in the "Daily Telegraph," hazards the opinion that Dr. Friedmann's vaccination process, to which reference has been made of late, is of the nature suggested, but so far details are not available to prove this assertion.

### "Cause de Guerre."

We had not thought it necessary in connection with the war in the Near East to make any special intimation regarding the delivery of THE CHEMIST AND DRUGGIST. Nevertheless, copies are coming back to us which the postal authorities in Turkey have failed to deliver, and we give a reduced facsimile of the cover of one of these. This, it



will be observed, is addressed to "Mr. Stephen Ilieff, Pharmacien, Roumanova, Vijlaet de Uskub, Turkey in Europe." Our Publishing Department is now endeavouring to effect delivery of the copies by putting "Servia" in place of Turkey in Europe and addressing "via Belgrade," and when this meets Mr. Ilieff's eye we shall be glad if he will communicate with us. Any other subscribers in the disturbed district who have not been getting their copies regularly should also advise us.

### More about "Secret Remedies."

At the meeting of the Council of the British Medical Association held in London on November 13, and reported in the Journal of the Association last week, the Chairman said that "an application had been received by cable

from the Government of the Commonwealth of Australia for permission to reprint as a Parliamentary Paper the books 'Secret Remedies' and 'More Secret Remedies.' The Council agreed to give its sanction provided the source of publication was duly acknowledged." This is indeed immortalisation! The work of Mr. E. F. Harrison, B.Sc., a British pharmacist, will now rank with that of Mr. Octavius Beale, the Australian pianoforte-maker, whose extraordinary report on an allied subject was similarly published. It was afterwards suppressed, however; and maybe, if the Government of the Commonwealth reads the other side of the matter as now being revealed by Mr. John C. Umney before the Select Committee, it may adopt a similar discreet course as regards "Secret Remedies." What have Australian taxpayers to say about using public funds in this manner?

### "How to Cut the Drug Bill."

We understand that Dr. A. Herbert Hart, the author of this little work, is preparing a third edition of it for the press, and it is expected to be published early in 1913. As special prominence has been given to the book recently, owing to its introduction to the Select Committee on Patent Medicines, it is interesting to note that the "British Medical Journal," to which the Committee's inquiry is mainly due, thus referred to Dr. Hart's book on April 16, 1910:

"Certain to appeal strongly to many a harassed practitioner. Nor will anyone who buys the book be disappointed. . . . All the directions given are simple, lucid, and practical. . . . Incidentally, both the practitioner and his patients would benefit."

We quote this from a circular issued by the publishers, which circular also says such things as:

"It will cost you half a crown! but the outlay will prove a good investment.

"Thus Sp. Ammon. Arom. costs you at least three shillings per pound, and probably more, but this book shows how to save you a half-crown on every pound."

That can only be done by omitting alcohol—one of the most important constituents of the preparation, from the therapeutic point of view. Perhaps the "B.M.J." will tell us how "patients would benefit" by that. To those chemists who contemplate suffering loss through Insurance Act dispensing there may be a grain of comfort in the statement that "sixty-eight stock mixtures . . . embrace the entire gamut of medical practice." It is rumoured that one reason why English medical men are so strongly averse to chemists dispensing under the Insurance Act is that they will be compelled to write prescriptions, a matter in which they have little practice and less inclination. If that be so, we feel sure that chemists will give them every assistance in making easy the prescription of the entire gamut.

### "Replies to Correspondents."

We have received a strong protest from a chemist in South Africa regarding the manner in which the public are deceived through the insertion in monthly magazines, and other papers, of advertisements of specialities in the form of replies to correspondents. "Punch" of December 4 attacks the subject in "Beauty Chats. By Guendoler St. Clair," from which we quote:

"Hopeless."—Why do you persist in using that sad name? I promise that, if you persevere with my treatment, you will soon not be able to recognise yourself. In the meantime, as you seem to have a remarkably nice nape to your neck (a very unusual beauty!), wear collarless gowns, dress your hair high, and always remember to turn the nape of your neck to anyone you may be conversing with—first giving it a dust with my Beautiline Powder (5s. 6d. per box).



"Daisy."—So glad to hear that since using my Beautiline Cream (8s. 11d. per jar) your programme has been full directly you enter the room at the Tootwich Fortnightlies.

In similar fashion, an Eye-lengthening machine, Eye-lashes (to sew on), Brow-developer, Throat Corsets, and other ridiculous methods of extracting money out of the purses of silly people are woven through the bogus replies in "Punch's" own inimitable fashion. Much of the business which such advertising produces does not come the chemist's way, and those who have tender consciences must be thankful for this; but the Beautiline Business which "Punch" parodies is becoming scandalous, and deserves a Parliamentary Select Committee of its own. That seems to be unnecessary, however, for there ought to be fair unanimity in Parliament to secure the quick passage of a Bill requiring that advertisements produced in the guise of literary matter should be labelled as what they are, *plus* an editorial disclaimer.

## Insurance Medical Benefit.

### THE FIRST QUARTER.

We learn on excellent authority that the arrangement for the medical benefit for the first quarter of 1913 will be provisional, that each insured person will receive from his approved society or otherwise a medical ticket, that he will be informed if he is in need of medical assistance that he will be able to see at the post-office nearest to his address a list of the panel of doctors who are available to treat insured persons, and that on the production of his insured ticket he will be able to get from any one of those doctors the attention he needs.

### FINAL TERMS TO MEDICAL MEN.

On Thursday evening we received from the Insurance Commissioners the following documents:

- (1) Revised Regulations as to Administration of Medical Benefit.
- (2) A Memorandum as to Medical Benefit.
- (3) A Circular to Insurance Committees as to the Administration of Medical Benefit.

These documents are the outcome of the decisions announced by the Chancellor of the Exchequer on October 23, together with the decision of the Government on the points submitted by the five representatives of the British Medical Association subsequent to that announcement.

Of these (1) the regulations dealing with the provisions as to drugs and appliances are the most important to chemists, and in the Coloured Supplement of this issue we give the text of such of these as have been altered in the Revised Regulations. The provisional ones were printed in the *C. & D.*, October 5.

(2) The Memorandum arises from the B.M.A. deputation to the Chancellor on November 25 and 26. It is divided as follows: (i.) Duties of medical practitioners on the panel. (ii.) Remuneration for medical benefit (extras and payment thereof; second opinions, agreement as to method of remuneration; special questions as to extras, etc.). (iii.) Unreasonable demands as to insured persons. (iv.) Medical benefit for insured persons changing their place of residence. (v.) Mileage. (vi.) Records and reports. (vii.) Inspection. (viii.) Investigation of complaint and removal from panel. (ix.) Income limit. (x.) Right of insured persons to make their own arrangements. (xi.) Dispensing. The full text of this memorandum is: "The Act precludes the Commissioners from giving dispensing generally to the doctors on the panel. The Government are, however, prepared to arrange that a doctor on the panel may dispense drugs and medicines for insured persons in cases in which the patient resides in a rural area, and is more than a mile from a chemist on the panel." (xii.) Approved systems and institutions. (xiii.) Deposit contributors. (xiv.) Payment for sanatorium benefit. (xv.) Medical representation on Insurance Committees.

With the exception of the dispensing part, the Memorandum deals solely with questions for doctors.

(3) The circular to Insurance Committees contains the following paragraph:

### ARRANGEMENTS FOR THE SUPPLY OF DRUGS AND APPLIANCES.

Insurance Committees are required by the Regulations to determine the conditions upon which it is proposed to invite chemists and other persons to undertake the supply of drugs and appliances. The Commissioners have prepared a Model Form of Notice to persons desirous of undertaking the supply of drugs and appliances, and also a form of acceptance and agreement. If the Committee adopt the Model Forms, no further approval by the Commissioners will be required in respect of them.

Insurance Committees are also required to prepare a list of the prices on the basis of which payments are to be made for the drugs ordinarily supplied to insured persons and for the prescribed appliances. On this point the Insurance Committee should at once consult any Committee which may have been formed in the county or county borough representing persons supplying drugs and appliances. It will probably be found that the local pharmaceutical committee will be prepared with a list of drugs and prices which might form the basis of negotiations. It will, however, be apparent that the tariff adopted will be a matter in which the medical practitioners have an interest as well as the pharmacists and the Insurance Committee, and the list of drugs and prices should therefore be a matter for negotiation between the three parties mentioned.

## National Health Insurance.

### QUESTIONS IN PARLIAMENT.

Mr. Lloyd George stated on Tuesday that he could make no statement then as to the revised proposals offered to doctors.

Mr. Masterman stated on Monday that approximately 480,000 cards had already been sent in by deposit contributors. Under Part II. the number of permanent unemployment books issued to workpeople up to November 27 was 2,218,132.

Sir H. Craik, M.P., asked the Secretary to the Treasury on Monday whether the amount for medical relief allotted to each locality will be based upon the number of insured persons in that locality; and, if so, whether an additional amount will be allotted in the case of rural localities where the amount of travelling expenses will necessarily be greater than in urban districts.—Mr. Masterman replied that the answer to the first part of the question is in the affirmative. The creation of a small special fund for mileage in districts exceptionally sparsely populated is under consideration, but no additional amount will be allotted for mileage in ordinary rural areas, and if a special fund is considered desirable it must be formed by an Insurance Committee from the general amount available for medical remuneration within its area.

Mr. C. Bathurst asked whether rural areas would not suffer as compared with urban areas.—Mr. Masterman replied that there would be compensations in the rural districts, where the doctors will be doing their own dispensing and getting the profits on the dispensing; and if the hon. gentleman's contention is correct that health is much better in the rural areas, they will have less to do.

Sir H. Craik asked whether this was merely a casual and not a uniform system.—Mr. Masterman: No; it rests in the discretion of the local Committee.

### DISTRICT INSURANCE COMMITTEES.

Provisional regulations have been issued by the Commissioners as to the appointment by County Insurance Committees of District Committees to do such work as may be assigned or delegated by the County Committees; but this will not include:

The determination of the amount to be paid in respect of the cost of the Medical Benefit of deposit contributors.

The determination of the method and amount of the remuneration of persons, firms and bodies corporate undertaking the supply of drugs, medicines, and appliances.

Among those entitled to representation on District Committees are :

Any committee, representative of chemists and other persons, firms and bodies corporate undertaking the supply of drugs, medicines, and appliances under the arrangements made by the Committee to insured persons in the area of the District Committee.

## II We were Germans.

The principles upon which the charges contained in the German dispensing-tariff are calculated were fully dealt with in *THE CHEMIST AND DRUGGIST*, May 20, 1911, and *The Chemists' and Druggists' Diary*, 1912, p. 465. As the prices there given referred to decimal weights, and therefore required to be adjusted to correspond to British weights in common use, we now give figures in British equivalents of items from the German dispensing-tariff, embracing drugs and preparations likely to occupy places in the British tariff.

In calculating the cost of a prescription the charges for the ingredients are first ascertained, then the charges for manipulations entailed in compounding, including a fixed charge of 2*d.* for "dispensation" (which is additional to manipulation charges), and lastly the charge for the container. The lowest sum considered is one halfpenny, but in the case of poisons and of heroic drugs the minimum charge is 1½*d.* In the case of prescriptions for members of sick-clubs a rebate varying between 10 and 25 per cent. is allowed off the charges indicated in the dispensing-tariff. Specialities are sold at an increase of 60 per cent. on wholesale price, if dispensed in their original package. If bulk has to be broken, the wholesale price is doubled, and the cost for the quantity used is proportionately calculated according to this amount. In the case of club patients all containers must be returned to the pharmacist, who is compelled to credit the club with the full amounts.

### CHARGES FOR CONTAINERS.

Bottles:	Ordinary	Drop bottles or glass-stoppered bottles	
		White.	Yellow (club patients)
Up to ½ oz. ...	1½ <i>d.</i>	3 <i>d.</i>	3 <i>d.</i>
½ oz. to 3¼ oz. ...	1½ <i>d.</i>	3½ <i>d.</i>	3½ <i>d.</i>
3¼ oz. to 6½ oz. ...	2 <i>d.</i>	6 <i>d.</i>	6 <i>d.</i>
6½ oz. to 10 oz. ...	2½ <i>d.</i>	10 <i>d.</i>	10 <i>d.</i>
10 oz. to 13½ oz. ...	3 <i>d.</i>	10 <i>d.</i>	10 <i>d.</i>
<b>Ointment-pots:</b>			
Up to 1½ oz. ...	2 <i>d.</i>	1½ <i>d.</i>	1½ <i>d.</i>
1½ oz. to 3½ oz. ...	2½ <i>d.</i>	1½ <i>d.</i>	1½ <i>d.</i>
3½ oz. to 6½ oz. ...	3½ <i>d.</i>	1½ <i>d.</i>	1½ <i>d.</i>

Cardboard boxes up to 1½ oz., 1½*d.*; 1½ oz. to 3½ oz., 2*d.*; 3½ oz. to 6½ oz., 3*d.*

Powder boxes for 1 to 10, 1½*d.*; over 10, 2½*d.*

### CHARGES FOR MANIPULATIONS IN COMPOUNDING.

Infusions, decoctions, emulsions, including 10 oz. of water ...	5 <i>d.</i>
Suspensions, solutions, including 10 oz. of water ...	4½ <i>d.</i>
Capsules, each ...	1½ <i>d.</i>
Cachets, each ...	1½ <i>d.</i>
Mixing two or more liquids ...	1½ <i>d.</i>
Pills, up to fifty 5 <i>d.</i> , every twenty over the first fifty ...	2½ <i>d.</i>
Pills, coating, up to fifty ...	9½ <i>d.</i>
Powders, mixing two or more ...	2½ <i>d.</i>
Powders, divided, each dose ...	½ <i>d.</i>
Ointments ...	5 <i>d.</i>
Suppositories, up to three ...	5 <i>d.</i>
Each one over the first three ...	1½ <i>d.</i>
Tablets, one to five, each 1½ <i>d.</i> , each over this amount ½ <i>d.</i>	½ <i>d.</i>
Filtration, if prescribed ...	1½ <i>d.</i>
Dispensation—charged for in every case (to cover cork, writing label, etc.) ...	2 <i>d.</i>

The prices in the following table are for the quantities mentioned in the heading, unless when otherwise stated.

	1 oz.	1 dr.	15 grains or minims
Acetanilide ...	3½ <i>d.</i>	¾ <i>d.</i>	—
Acid. boricum pulv. ...	2 <i>d.</i>	—	—
Acid. carbolic ...	3½ <i>d.</i>	¾ <i>d.</i>	—
Acid. salicylic ...	3½ <i>d.</i>	2½ <i>d.</i>	¾ <i>d.</i>
Acid. tannic ...	5½ <i>d.</i>	2½ <i>d.</i>	¾ <i>d.</i>
Acid. tartaric ...	5½ <i>d.</i>	¾ <i>d.</i>	—
Adeps ...	3½ <i>d.</i>	¾ <i>d.</i>	—
Adeps lane ...	2 <i>d.</i>	¾ <i>d.</i>	—
Æther, purificat. ...	3½ <i>d.</i>	¾ <i>d.</i>	—
Alces pulv. ...	3½ <i>d.</i>	¾ <i>d.</i>	—
Alumen pulv. ...	2 <i>d.</i>	—	—
Ammon. brom. ...	5½ <i>d.</i>	¾ <i>d.</i>	—
Ammon. chlor. ...	2 <i>d.</i>	¾ <i>d.</i>	—
Antipyrin. ...	2s. 10½ <i>d.</i>	5 <i>d.</i>	1½ <i>d.</i>
Apomorphin. hydrochlor. ...	3½ <i>d.</i> gr.	—	2s. 9½ <i>d.</i>
Argent. nitr. ...	4s.	7½ <i>d.</i>	2 <i>d.</i>
Atropin. sulph. ...	3½ <i>d.</i> gr.	—	1s. 3½ <i>d.</i>
Bismuth. subnitras ...	1s. 10 <i>d.</i>	5 <i>d.</i>	1½ <i>d.</i>
Borax pulv. ...	2 <i>d.</i>	¾ <i>d.</i>	—
Caffein. ...	—	5½ <i>d.</i>	1½ <i>d.</i>
Camphora ...	7½ <i>d.</i>	1 <i>d.</i>	¾ <i>d.</i>
Chloral hydras ...	3½ <i>d.</i>	1½ <i>d.</i>	—
Chloroform. ...	5½ <i>d.</i>	¾ <i>d.</i>	—
Chrysarobin. ...	2s. 1 <i>d.</i>	5 <i>d.</i>	1½ <i>d.</i>
Cocain. hydrochlor. ...	—	1½ <i>d.</i> gr.	9½ <i>d.</i>
Cocain. phosph. ...	—	2½ <i>d.</i> gr.	9½ <i>d.</i>
Colloidium ...	2 <i>d.</i>	¾ <i>d.</i>	—
Croosot. ...	5½ <i>d.</i>	2 <i>d.</i>	¾ <i>d.</i>
Extr. cascarr. sagrad. liq. ...	11 <i>d.</i>	1½ <i>d.</i>	—
Extr. filicis liq. ...	4s. 6 <i>d.</i>	10 <i>d.</i>	2½ <i>d.</i>
Extr. hydrast. liq. ...	4s. 11 <i>d.</i>	8 <i>d.</i>	—
Extr. lyoscyam. ...	¾ <i>d.</i> gr.	—	5 <i>d.</i>
Extr. opii ...	¾ <i>d.</i> gr.	—	5 <i>d.</i>
Extr. nuc. vomic. ...	¾ <i>d.</i> gr.	—	7½ <i>d.</i>
Extr. rbei ...	¾ <i>d.</i> gr.	—	2½ <i>d.</i>
Ferr. carbon. sacch. ...	2 <i>d.</i>	½ <i>d.</i>	—
Ferr. et ammon. citr. ...	5½ <i>d.</i>	2 <i>d.</i>	¾ <i>d.</i>
Ferr. et quinin. citr. ...	1s. 10 <i>d.</i>	5 <i>d.</i>	1½ <i>d.</i>
Ferrum redactum ...	3½ <i>d.</i>	1½ <i>d.</i>	¾ <i>d.</i>
Ferr. sulphas ...	2 <i>d.</i>	¾ <i>d.</i>	—
Glycerin. ...	4½ <i>d.</i>	¾ <i>d.</i>	—
Heroin. hydrochlor. ...	—	—	3 <i>d.</i> gr.
Hydrargyr. oxid. flav. ...	11 <i>d.</i>	2½ <i>d.</i>	¾ <i>d.</i>
Hydrargyr. perchlorid. ...	7½ <i>d.</i>	2½ <i>d.</i>	¾ <i>d.</i>
Hydrargyr. subchlorid. ...	—	2½ <i>d.</i>	¾ <i>d.</i>
Iodoform ...	2s. 10 <i>d.</i>	5 <i>d.</i>	1½ <i>d.</i>
Linim. ammoniæ ...	2 <i>d.</i>	—	—
Linim. camphoræ ...	3½ <i>d.</i>	¾ <i>d.</i>	—
Liq. ammoniæ ...	2 <i>d.</i>	¾ <i>d.</i>	—
Liq. ammon. acet. ...	2 <i>d.</i>	¾ <i>d.</i>	—
Liq. arsenicalis ...	5½ <i>d.</i>	2½ <i>d.</i>	¾ <i>d.</i>
Liq. ferri perchlorid. ...	3½ <i>d.</i>	1½ <i>d.</i>	—
Liq. plumbi subacet. ...	2 <i>d.</i>	¾ <i>d.</i>	—
Lith. carbon. ...	1s. 4½ <i>d.</i>	2½ <i>d.</i>	¾ <i>d.</i>
Magnesia levis ...	3½ <i>d.</i>	¾ <i>d.</i>	—
Magnes. carbon. ...	2 <i>d.</i>	¾ <i>d.</i>	—
Magnes. sulph. ...	¾ <i>d.</i>	—	—
Menthol. ...	3s. 2 <i>d.</i>	7½ <i>d.</i>	2 <i>d.</i>
Morphin. hydrochlor. ...	2½ <i>d.</i> gr.	1½ <i>d.</i> gr.	1s. 5 <i>d.</i>
Mucilago acaciæ ...	3½ <i>d.</i>	¾ <i>d.</i>	—
Ol. amygdal. ...	7½ <i>d.</i>	¾ <i>d.</i>	—
Ol. eucalypt. ...	5½ <i>d.</i>	2 <i>d.</i>	¾ <i>d.</i>
Ol. menth. pip. ...	5s. 10 <i>d.</i>	1s.	3 <i>d.</i>
Ol. morrhue ...	1½ <i>d.</i>	—	—
Ol. olive ...	3½ <i>d.</i>	¾ <i>d.</i>	—
Ol. ricini ...	2 <i>d.</i>	¾ <i>d.</i>	—
Ol. santal. ...	2s. 8½ <i>d.</i>	5 <i>d.</i>	1½ <i>d.</i>
Ol. terebinth. rect. ...	2 <i>d.</i>	¾ <i>d.</i>	—
Opium pulv. ...	¾ <i>d.</i> gr.	10 <i>d.</i>	2½ <i>d.</i>
Oxymel scillæ ...	7½ <i>d.</i>	¾ <i>d.</i>	—
Paraffin. liq. ...	1½ <i>d.</i>	¾ <i>d.</i>	—
Phenacetin. ...	7½ <i>d.</i>	2½ <i>d.</i>	¾ <i>d.</i>
Pilocarpin. hydrochlor. ...	2 <i>d.</i> gr.	—	1s. 3½ <i>d.</i>
Plumb. acet. ...	2 <i>d.</i>	¾ <i>d.</i>	—
Podophyllin. ...	¾ <i>d.</i> gr.	7½ <i>d.</i>	2 <i>d.</i>
Pot. bicarbon. ...	2 <i>d.</i>	¾ <i>d.</i>	—
Pot. bromid. ...	5½ <i>d.</i>	¾ <i>d.</i>	¾ <i>d.</i>
Pot. chlorat. ...	2 <i>d.</i>	¾ <i>d.</i>	—
Pot. iodid. ...	1s. 10 <i>d.</i>	5 <i>d.</i>	1½ <i>d.</i>
Pulvis glycyrrh. co. ...	3½ <i>d.</i>	¾ <i>d.</i>	—
Quinin. sulph. ...	2s. 10 <i>d.</i>	5 <i>d.</i>	1½ <i>d.</i>
Salol ...	7½ <i>d.</i>	2½ <i>d.</i>	¾ <i>d.</i>
Santonin. ...	¾ <i>d.</i> gr.	—	4½ <i>d.</i>
Sod. bicarbon. ...	2 <i>d.</i>	¾ <i>d.</i>	—
Sod. salicyl. ...	5½ <i>d.</i>	2 <i>d.</i>	¾ <i>d.</i>
Sulphonal ...	2s. 7 <i>d.</i>	5 <i>d.</i>	1½ <i>d.</i>
Sulphur. præcip. ...	2 <i>d.</i>	¾ <i>d.</i>	—
Syrup. ferri iodid. ...	7½ <i>d.</i>	1 <i>d.</i>	—
Syrup. simplex ...	2 <i>d.</i>	¾ <i>d.</i>	—
Tr. aconiti ...	5½ <i>d.</i>	¾ <i>d.</i>	—
Tr. cardamom. co. ...	5½ <i>d.</i>	¾ <i>d.</i>	—
Tr. chloroform. et morphin. ...	8½ <i>d.</i>	1½ <i>d.</i>	—
Tr. opii ...	1s.	2½ <i>d.</i>	¾ <i>d.</i>
Tr. strophanth ...	5½ <i>d.</i>	¾ <i>d.</i>	—
Ung. acid. boric. ...	5½ <i>d.</i>	¾ <i>d.</i>	—
Ung. hydrargyr. ...	9½ <i>d.</i>	1½ <i>d.</i>	—
Ung. zinci ...	3½ <i>d.</i>	¾ <i>d.</i>	—
Zinc. sulphocarb. ...	3½ <i>d.</i>	1½ <i>d.</i>	¾ <i>d.</i>
Zinc. sulph. pulv. ...	2 <i>d.</i>	¾ <i>d.</i>	—



## WINTER SESSION.

Reporters, and Secretaries of Associations whose meetings are not open to reporters, are requested to send their reports to the Editor not later than the Wednesday following the meeting.

Meetings of Chemists in regard to Insurance Dispensing are for convenience included here, although they may not be Association Meetings. It is particularly requested that reporters will follow the style adopted herein, so as to get in all important facts in the minimum of space, thereby assuring the maximum of interest and utility.

**Aberdeen.**—Mr. Gilbert Simpson, Ph.C., gave a lecture to the Aberdeen Junior Chemists' Association in Gordon's College on Thursday evening, November 29, on *Invisible Friends and Foes (Bacteria)*. There was an excellent attendance, and the discourse was much appreciated.

**Bristol.**—A meeting of the Bristol Chemists' Association was held at the Dolphin Café on November 26. The Vice-President presided, and there were twenty-eight members present. The sum of five guineas was voted to the Standing Joint Committee on Insurance. The question of the hours of service to be given for the dispensing of medicines for insured persons was discussed, and it was decided only to dispense those prescriptions marked "Urgent" after 6 P.M.

**Bury.**—The Bury and District Chemists' Association, comprising the registered chemists of Bury, Radcliffe, and Whitefield, was formed on November 21. *President*, Mr. C. Dean; *Treasurer*, Mr. H. Crompton; and *Secretary*, Mr. A. W. Charnley, 25 Princess Street, Bury. Mr. Lord Gifford was present at the meeting, and gave an instructive address on the Insurance Act.

**Cheltenham.**—A meeting of the Cheltenham, Gloucester, and District Pharmacists' Association was held at the Plough Hotel, Cheltenham, on November 28. Mr. F. T. Palmer (Vice-President) was in the chair, and there were present also nine members and Mr. W. H. Hill (Hon. Secretary). Messrs. H. Miller (Cheltenham), Jones (Chipping Sodbury), J. Spencer Palmer (Thornbury), and L. Wixey (Nailsworth) were elected members. The Chairman then called upon Mr. C. H. James to give his paper on *Modern Business Methods*. Mr. James dealt first with the card index, showing its uses and advantages in handling records of customers, goods, or cash, and its possibilities as a prescription record. Next he demonstrated the superiority of the perpetual or loose-leaf ledger over bound books. He then showed the handling, recording, and dissecting of cash from "receipt" to "taxation" by means of the check-till and McQueen's "A B C" system of bookkeeping, vertical folders arranged numerically for invoices, a folder for each firm: numerical filing of orders and letters, using the card index with *précis* record and number giving immediate reference to any item supplied to credit or cash customer, business aids and systems, automatic numbering machine, gummed ribbon paper for sealing, and duplicators. The members present appreciated the details supplied, and a vote of thanks to the lecturer was heartily accorded.

**Dewsbury.**—The monthly meeting of the Dewsbury Pharmacists' Association was held at the Church House, Dewsbury, on December 2. Mr. G. N. Gutteridge (Dewsbury) presided, in the absence of the President. Eight other members were present. Arrangements were made for a lantern-lecture by Mr. W. Blakelev, and Mr. R. J. H. Day gave an account of the dinner of the Bradford Association. A discussion on *National Insurance* matters ensued. Mr. S. N. Pickard (Ossett) said steps had been taken to secure the representation of pharmacists on the local committees, and that was stated to be a feather in the cap of the Society; but though pharmacists would be represented, when it came to voting they would be out of it entirely. Respecting sanatoria benefits it was mentioned that some doctors were supplying cod-liver oil, emulsion, etc., themselves, and in other cases they were sending patients to the chemists. Again, some medical men were being charged direct, but others asked accounts to be forwarded to the County Medical Officer. Mr. Pickard observed that the doctors did not know how they really stood. Ultimately, however, all the accounts would have to go to the local Health Committee.

**Dundee.**—The annual general meeting of the Dundee Pharmacists' Association was held in Mather's Hotel on November 28. Mr. Stephen (President), who occupied the chair, referred sympathetically to the deaths of Mr. W. S. Moir and Mr. Jas. Russell. It was the desire of the meeting that Mr. Stephen should continue in office, but he regretted that for private reasons he would be unable to do so. The office-bearers for the ensuing year were elected as follows: *President*, Mr. Jn. Anderson, sen.; *Vice-Presi-*

*dent*, Mr. R. G. Strachan; *Treasurer*, Mr. C. Young; *Secretary*, Mr. G. J. Lindsay; *Committee*, Messrs. L. P. Michie, J. R. Milne, J. P. Ferrier, Jn. Melville, and A. H. Ross. A discussion on the working of the *Shops Act* followed. It was decided to ask the inspectors under the Act to enforce the regulations for the exhibition of cards, etc., as a few of the chemists had been habitually evading the Act.

**Edinburgh.**—Mr. Henry Stout presided at the meeting of the Edinburgh Chemists', Assistants', and Apprentices' Association held at 36 York Place, Edinburgh, on November 27, when Mr. J. Rutherford Hill gave an address on *Pharmacy Service under the National Insurance Act*. After describing the history of the statute as a Bill, and the changes which had been effected in it so far as medicine and pharmacy are concerned, Mr. Hill described how Pharmaceutical Committees had been set up for the purpose of watching the interests of chemists. He remarked that one of the most difficult pieces of work for these committees "has been the arrangement for remuneration of the pharmacist for the supply of drugs and appliances to insured persons. What has appeared publicly gives no adequate conception of the enormous amount of work this difficult question has involved. It is eminently satisfactory, however, to have reached a point where the Insurance Commissioners have definitely agreed that remuneration shall be on the basis of payment for each ingredient in a prescription by reference to a recognised scale of prices, payment for skilled work done in dispensing and compounding, and payment for containers if these are supplied out of the Medical Benefit Fund. . . . There is grave reason to fear that the negotiations presently in progress between the pharmaceutical representatives of England, Scotland, and Wales and the Insurance Commissioners may not issue in a settlement that can be regarded as being adequately remunerative for the service rendered. All parties, however, may have the utmost confidence that the chosen representatives know all the conditions well, and will undoubtedly make the best arrangements possible under very difficult conditions." He hoped that all pharmacists would give the scheme a trial, and he trusted that when the service is properly organised and in order, those who are called to do public service as pharmacists will be adequately remunerated. A discussion followed.

**Hull.**—The monthly meeting of the Hull Pharmacists' Association was held at Grosvenor Hotel on December 3. Mr. T. Smith (President) presided over a company of about fifteen members. Mr. Newton and Mr. Chapman were appointed hon. auditors. The question of a uniform price-list was introduced by the Chairman, in the absence through indisposition of Mr. Sawyer. He said that extreme "cutting" brought no good result, and the cutters themselves soon became tired of it. He thought it would be advisable to join with the stores to keep up prices. Mr. Wharton made a suggestion that a printed list for customers to see would be useful. Mr. R. F. Jones moved and Mr. A. Richardson seconded a resolution that inquiries should be made by the Secretary as to the practice in Hull and elsewhere, and affirming the principle of uniform prices as being desirable. The date of the annual meeting was fixed as January 14. The Secretary said that it would probably be the middle of January before the new closing order could be legally enforceable.

**London.**—A meeting of the General Purposes Committee of the London Chemists' Association was held at 19 Kennington Terrace on November 28. Mr. J. C. Pentney presided. There were also present Messrs. J. Brown, H. Slaton, C. Morrell, F. W. Truman, A. Pellew, and the Hon. Secretary (J. W. Douglas). The Chairman reported that the Association—in consequence of its membership covering so large an area—had been unable to become part of the newly formed County Association in so far as representing any defined locality, but that the Association was represented, and is continually in touch with all that was necessary in connection with the Insurance Act. The London Association had always adopted an independent attitude, and had always worked well for the interests of pharmacists, and would continue to do so. He rejoiced in the formation of the new Associations, but it must not be forgotten that the London Chemists' Association had played a great part in years gone by—and even so recently as this year—in forming or helping to form new Associations. Unfortunately, however, this had the effect of reducing the L.C.A. membership, seeing that present members are joining the new territorial Associations. He knew that the various subscriptions were a great drain on the purse, but he hoped the old members would not drift away. In order to reduce the financial strain on members it was proposed and carried that the annual subscription in future should be 2s. 6d. The Hon. Secretary pointed out that no call had been made



on members during the present year for subscriptions, in spite of the fact that many pounds had been spent on social functions. He said that a subscription of 2s. 6d. would be ample, as everything was done at a very low expense. In answer to the London County Council's letter *re Shops Act*, it was resolved to inform the Council that the Association favoured Thursday as the most convenient day for closing.

**London and Home Counties.**—A private meeting of 400 chemists of London and the Home Counties was held at the Holborn Hall, Gray's Inn Road, London, W.C., on December 4. The chair was taken by Mr. C. B. Allen (President of the Pharmaceutical Society), and addresses were given by the Vice-President (Mr. E. White), the Parliamentary Secretary (Mr. W. S. Glyn-Jones, M.P.), and the Insurance Secretary (Mr. W. J. Uglow Woolcock). The official report of the meeting is not available this week.

**London Assistants.**—The meeting of the Chemists' Assistants' Association on November 28 was held at the lecture theatre at 17 Bloomsbury Square, London, W.C. The expectation that the lecture of Mr. F. H. Glew, Ph.C., on *Radium and x-Rays* would attract an audience which could not be accommodated in the Association's own rooms at Newman Street was realised. The President (Mr. P. B. Phillips) presided over a good audience, which included many ladies. The lecture was of a chatty nature, the various stages being amply illustrated by numerous lantern-slides and experiments. The discovery of radioactivity was first outlined. Then pitchblende, which the lecturer considered to be the philosopher's stone, was shown and said to form the keynote of the lecture. In 1896 it was known to contain twenty elements, and since then its investigation had added thirty more. Explanation of electrical discharges through air, including lightning, was followed by the production of cathode-rays in Crookes' tube and x-ray tube. A brief outline of radiography was illustrated by many radiographs. The ionisation of air by radioactive matter was then demonstrated. The first experiment showed how by the aid of radium spirals (attached to a working Wimshurst machine and a leaf electroscope respectively) the air was made to conduct electricity. The second experiment was quite new. This showed the condensation of steam by the emanation from mesothorium, this being the first public demonstration of this phenomenon. The lecturer next referred to the brilliant work of Mr. Barratt, of East London University College (who was present), and Mr. Marsden, who by counting scintillations had shown that thorium B consisted in reality of two elements, one with the longest range (8.6 cm.) of  $\alpha$ -particle known. The scintilloscope also allowed members to witness the life and death of the atom of thorium A, the double flash indicating the seventh of a second, which is its half-period. A note of explanation was given here that the activity of radioactive bodies is due to their gaseous emanations and to the decomposition products therefrom. Mr. Glew also showed his actinium lamp, by means of which the rapid decay of actinium emanation could be seen. After a brief reference to secondary radiations, allusion was made to the researches of Mr. C. T. R. Wilson, who by means of supersaturated air had enabled the track of the  $\alpha$ -particle to be seen and photographed in a thousand-millionth part of a second. The lecturer humorously remarked that the decaying atom of radioactive substance presented the anomaly of two bodies occupying the same space at the same time. He also mentioned the superiority of the eye to the camera in recording fluorescence due to radioactivity, the eye picking out in a hundredth part of a second the amount that affects a photographic plate in a few days. In conclusion, Mr. Glew said radioactivity is well worthy of study by those in any way connected with medicine, as it is found to enter into it more and more. There were comparatively few questions. After Mr. Glew had answered these, votes of thanks were accorded to the lecturer and to the Pharmaceutical Society for use of the room. Most of the audience then went to examination-hall for refreshments, but the few who stayed to see some of the delicate luminescent phenomena were well rewarded for their scientific zeal.

**North Kent.**—Mr. R. Feaver Clarke presided at an exceptionally large meeting of the North Kent and District Pharmacists' Association, which was held at Gravesend Town Hall on November 27. A speech by Mr. W. J. U. Woolcock was the attraction, his theme being Insurance Act dispensing and organisation. The Hon. Secretary (Mr. J. E. French) announced the formation of the County of Kent Association of Pharmacists, and Mr. Ostle was elected to represent the Association on it. The next meeting will be held at Rochester in January.

**North London.**—Mr. C. A. Hill, B.Sc. (Vice-President), took the chair at an evening meeting of the North London Association of Pharmacists held at Northampton House on Thursday, November 28, when Dr. Robert Knox,

Director of research in x-rays and radioactive substances at the Cancer Hospital, gave an address on *Radium Therapy*, illustrating it by many experiments with the lantern and electroscope, as well as with numerous slides. Dr. Knox explained the methods, showing the applicators devised, also many cases before and after treatment. He also demonstrated the power of radium, as well as its limitations and the difficulties of dealing with deep-seated affections, pleading for a closer alliance of the physicist and the medical man, so that by combined research a fuller knowledge may be attained of how to get the best from the emanations, not only in the arrestment of cellular degeneration, but in prevention also. There was a valuable display of appliances, and in the darkened room various articles in varied degrees of illumination from radioactivity passed from hand to hand, while many sampled the water from the ingenious apparatus of Radium, Ltd. A vote of thanks, proposed by the Chairman, supported by Miss D. W. Brennan, representing the lady pharmacists present, was enthusiastically carried; while Mr. G. A. Carpenter, with a vote to the Vice-President, brought one of the most successful meetings of the Association to a close.

**N.U.A.P.**—A meeting of the London Branch was held at the London College, Clapham Road, on December 1. Mr. H. G. Kirby presiding, when Mr. Bennett read a paper on *The Advantages of an Optical Education*, drawing special attention to the difference between treating optics merely as a side-line and making a systematic study of the subject. To the former he attributed the failure of many pharmacists to find optics a profitable pursuit.

**Röntgen Society.**—The general meeting of this Society on December 3 took place at the Cancer Hospital, Fulham Road, London, S.W. The President (Sir J. Mackenzie Davidson) presided over a good attendance in the Board Room, and after the election of seventeen members an inspection took place of the new electrical and radio-therapeutic department, the physical laboratories, and the laboratories of the Research Institute at the Hospital. The electrical and radio-therapeutic department, which has only recently been completed, is the most perfectly fitted establishment of its kind in this country. The director of the department (Dr. Robert Knox) visited all the best radiographic institutes in Europe, with a view to perfecting the plans for the new department at Brompton. On the ground floor leading from the entrance-hall is the directors' room, and considerable interest was taken in the radium-safe let into the wall, and containing 4,000l. worth of radium. In this room, as a temporary exhibit, was an automatic temperature recorder, by which the fluctuations in a patient's temperature are noted continuously. The next room is the radiographic room, the feature of which is the Siemens "Single Impulse Outfit," the first to be fitted up in this country. The coil gives a 16-in. spark, and a demonstration was given of a "single impulse" exposure, an excellent negative resulting. The x-ray couch with many points of interest was designed by Dr. Knox. A smaller room adjoining is the emanation room, where there is a continuous collection going on of the emanation from 25 milligrams of radium bromide (in solution), the emanation being drawn off by a mercury pump. An interesting point to pharmacists is the manufacture of radium plasters which is carried on here. A piece of lint about the size of a five-shilling piece is dipped in agar-agar solution and exposed to the emanations of radium while in an electrified condition. The emanation clings to the surface, the plaster being luminous in the dark. The method is looked upon as promising one of the most useful applications of radium for superficial cases. A good deal of time was spent also in inspecting the therapeutic cabinets on the first floor. The x-ray cabinets are completely enclosed, the woodwork, thick teak, being made with an internal layer of lead, and the windows being glazed with thick lead glass. The door of a cabinet must be closed before the current can be used. Each cabinet has a supply of compressed air for cooling the x-ray tubes. Here 12-in. spark coils are used, and there are clock-switches for giving exposures of definite duration. On this floor are also cubicles for various electro-therapeutic uses, such as the application of ultra-violet rays. Mr. C. E. S. Phillips, who has charge of the emanation room referred to above, has a laboratory in the basement of the Research Institute fitted with electroscopes and measuring instruments, an optical bench, and a photo-micrographic outfit. As to the practical results of this costly experimental work it is as yet too early to speak, but so far some excellent curative effects have been obtained which give much promise for the future.

**Southport.** Mr. C. Hare presided at a meeting of the Southport and District Pharmacists' and Assistants' Association held at Pownall's Café on December 3. Mr. S. Ratcliffe read a paper on *The Smoking Habit*, which was well discussed; then the Chairman, referring to the *Shops Act*,



said the following trades are exempt in the Southport area for the whole year: China, glass, and earthenware dealers, music and musical-instrument dealers, brush and basket dealers, and fancy dealers. The question arose, Can chemists sell brushes of any kind, having regard to the fact that the brush trade is exempt? The Hon. Secretary (Mr. J. R. Cave) thought they could; and the Chairman summed up by saying that they could not get any further with the question, as they had definitely decided at a previous meeting not to close their shops on any half-day.

**Warwickshire.**—At a meeting of chemists held in the Crown Hotel, Leamington, on November 27, it was decided to form the Warwickshire Pharmaceutical Association, and the following office-bearers were appointed: *President*, Mr. H. Hutton (Leamington); *Vice-President*, Mr. W. H. Lester (Nuneaton); *Secretary*, Mr. J. R. Barrett (Leamington); and *Treasurer*, Mr. G. F. Winfield (Solihull). An Executive Committee was also appointed. Mr. F. J. Gibson (Wolverhampton) addressed the meeting on Insurance Act Dispensing. The members then took tea at the Pump Rooms, and were shown round the establishment by the manager, Mr. Ravenhill.

## FESTIVITIES.

### Midland Pharmaceutical Association.

A CAFÉ CHANTANT, attended by 110 ladies and gentlemen, was held on Wednesday evening, November 27, the Recreation Section joining with the Association. Mr. W. Izon was in the chair. Messrs. Brock, Taylor, Hall, Thomas, Bentley, Diamond, K. Johnson, and Marsden contributed to the entertainment, also Miss Peace, Mrs. A. Johnson, and Miss Wade. Mr. A. S. Johnson was an efficient accompanist.

### Bovril Swimmers.

THE Swimming Club in connection with the firm of Bovril Ltd., held a dinner at the Trocadero Restaurant, Piccadilly Circus, London, W., on November 30, presided over by Mr. Douglas Walker. In proposing the toast of "The Club," the Chairman dealt with the improving record of the club, and said the membership is increasing each year. The cups and other prizes won during the season just closed were presented to the successful competitors. An excellent programme was also gone through.

### Sports Dance.

THE fourth annual dance of the Edinburgh Pharmacy Athletic Club took place on December 2, when about sixty couples assembled in the Victoria Hall, Leith Street. Messrs. Cochrane, Rowland, and Garry acted as M.C.s, and under their efficient direction a very enjoyable dance took place. During the evening Mr. Rutherford Hill congratulated the club on the continued success of its annual dance, and called upon the company to express their best wishes for the prosperity of the club. This sentiment was cordially applauded, and suitably acknowledged by Mr. E. O. Rowland, President of the club.

### In Nottingham.

A SOCIAL MEETING of the Nottingham and Notts Pharmaceutical Association was held at the Victoria Station Hotel on Wednesday evening, December 4. Among those present were Messrs. C. F. Carr (Vice-President), A. Middleton (Treasurer), W. Gill, H. C. Prince, E. E. Dickenson, E. C. Reynolds, F. Ross Sergeant, A. Eberlin, T. Freeman, and H. P. Middleton. The Insurance Act came under discussion, and the division of the Minor examination was raised by Mr. Prince, who suggested that it is high time this question is seriously taken in hand by the Pharmaceutical Society. The meeting was in agreement on this point. Much discussion ensued on the subjects and suggested subjects of examination.

### Bath Students' Smoking-concert.

THE annual supper and smoking-concert of the Bath and West of England College of Pharmacy was held at Fisher's Restaurant, Bath, on November 23. The Principal (Mr. D. Williams) presided over a large gathering of past and present students. After an excellent repast, a splendid musical programme was rendered, the performers including Mr. George Penn ("The Nib") and Messrs. Portch, Poucher, Thomas, Wood, Netherton, Morgan, and Williams. Mr. Eveleigh, of Bristol, in proposing the toast of "The College and Principal," referred to the splendid successes achieved by the College. He was supported by Mr. Freeman, representing the Old Boys, and Mr. Clark, representing the present students. Mr. Monk then made a presentation to Mr. Williams, in the name of the present students, as a mark of their appreciation. The Principal, who was accorded musical honours, in replying, referred to the

loyalty of the old students, and also thanked those who had aided in the work of tuition. The presentation of medals evoked further enthusiasm, the recipients being Messrs. W. Cooper, B. Guillaume, C. W. Sowby, and E. C. Phillips.

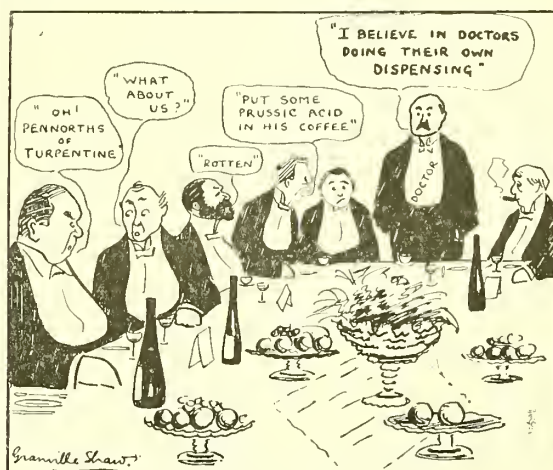
### Pill-makers Sup.

A SUPPER AND CONCERT were given on November 23 by Messrs. Arthur H. Cox & Co., Ltd., manufacturing chemists, Brighton, to celebrate the opening of an extension of their premises. Mr. Arthur H. Cox was in the chair, and over one hundred and eighty sat down to supper. Mr. J. Wiggington proposed the toast of "Prosperity to the Firm," and stated that last year was the most successful one ever experienced by the business. During the first nine months of 1912 the business has increased so much that an extension of premises had to be provided. The Chairman and Mr. Edward E. Cox (managing director) replied, the latter remarking that the amount of business the company is now doing would have been quite unmanageable in the old building. "Modernity is my trade-mark," he said, "but do not let us become so modern as to lose all connection with the glorious past." They had been founded for nearly seventy-five years, and their goods were being sold in all countries of the world; in fact, like the British Empire, the sun never set on all the agents and representatives. Mr. F. W. Welch (director) also replied. A good musical programme was provided, performers being brought from London for the entertainment.

### Dinners.

THE annual dinner of the Salford Pharmacists' Association was held at the Cattle Market Hotel on Wednesday, November 27, Mr. J. W. Gill presiding over a company of about seventy members and friends. Messrs. J. L. Davison, J. H. Harrop, C. Brown, D. A. Cargill, and Councillor J. Jones were chairmen of the spur-tables. After toasts coffee was served in the ante-room; then a very enjoyable entertainment was given.

MR. R. L. GRIFFITHS presided at the annual dinner of the Croydon Pharmacists' Association, held at the Greyhound Hotel, Croydon, on Wednesday, November 27. The following ladies and gentlemen were among those present: Mr. and Mrs. Charles Martin, Mr. and Mrs. C. Dickinson, Mr. and Mrs. D. P. Roberts, Mr. and Mrs. Arrowsmith, Mr. and Mrs. L. H. Knight, Mr. and Mrs. Bailey, Mr. and Mrs. H. Paget Matthews, and Mr. S. A. Noble. During the evening the President made a short speech in reply to the toast accorded to him with musical honours. With the exception of his brief speech and a few words very nicely put by Mr. Shaw regarding the high esteem in which the Chairman is held by the Association, there was no formal speaking. Instead a fine musical programme was arranged, which included Mr. Eric Barrington (from the Gaiety and Prince of Wales Theatres). So many encores were demanded that it was impossible to get through the whole of the programme. The pleasant evening finished at 11.15 p.m. with a vote of thanks to the joint Secretaries for the dinner arrangements, and to Mr. J. Pinto Nash for the concert arrangements.



### The Dinner that Disagrees.

It sometimes occurs at the board that is festive,  
The Guest who is Bidden forgets where he is;  
Discloses the truth to his Hosts, red and restive,  
And gloom gastronomic is ours—and is his.



## PERSONALITIES.

Notes for this section sent to the Editor should be authenticated and must not be in the nature of advertisements.

MR. T. H. B. LONG, Ph.C., is representing Messrs. Burroughs Wellcome & Co. at the All-India Sanitary Conference now being held in Madras.

MR. S. RAYMOND CARTER, M.Sc., son of Mr. W. Carter, dispensing chemist, Oswestry, is continuing his chemical studies under Professor C. Bredig at Karlsruhe.

MR. ERNEST N. KENT, of Messrs. G. B. Kent & Sons, Ltd., 75 Farringdon Road, London, E.C., is now on the way to Australia for the purpose of enlarging the scope of his company's Melbourne pharmacy.

At the adjourned Court held last week of the Spectacle-makers' Company, Sir Marcus Samuel, Bart., was unanimously chosen Master for the ensuing year, and Mr. J. H. Raphael was appointed Upper Warden.

MISS DOROTHY E. STEDMAN, daughter of Mr. Walter Stedman, chemist and druggist, Malling, Kent, has graduated with first-class honours as Bachelor of Science of the University of London. Miss Stedman's subjects were botany and geology.

MR. G. CLARIDGE DRUCE has been unanimously elected for the fifteenth time Chairman of the Sanitary Committee of Oxford City Council; Chairman of the Midwives Committee and Vice-Chairman of the Public Library. This is his twenty-first year as member for the South Ward.

MR. SAMBORNE COOK, J.P., chemist and druggist, has been selected an Alderman of the Nottingham City Council. Mr. Cook, who is a native of Temple Church, Somerset, was apprenticed in Nottingham. His public life began in November 1894, when he was elected to the Board of Guardians. He was elected to the City Council in 1899, and has retained his seat from that date. He was sheriff in 1905.

In reporting Mr. John C. Umney's evidence before the Select Committee on Patent Medicines last week, what he said in regard to Bengel's preparation (Liquor Pancreaticus) was stated in such a way as to indicate that Mr. Charles Umney was in Bengel's laboratory. Mr. Umney's actual words were: "The original experiments were made in the laboratory of John Bell & Co. by Bengel when he was there. I have good reason to know, because my father was there with him at the time, and made the experiments with him."

MR. H. H. FRENCH, of Messrs. French & Plucknett, produce brokers, 7 Mincing Lane, E.C., has met with an accident while riding in his motor near Haywards Heath. It appears that a foot-passenger, a Mr. Wise, ran towards the motor to save his fox terrier, when the car caught him and he was carried along underneath for several yards. The car swerved, dashed into a telephone-pole, and Mr. French was thrown violently against the wind-screen, receiving injuries to his collar-bone, which will necessitate his absence from business for several weeks. We understand Mr. French is progressing favourably.

THE RIGHT HON. ROBERT FARQUHARSON, M.D., who when a member of Parliament was a good friend to the Pharmaceutical Society, employs his leisure at Finzean in writing, and "Chambers's Journal" gets some of the fruits of his pen. In the December issue is an article "On Two Epoch-making Discoveries," which is chiefly about chloroform anaesthesia, and in the course of it he says:

"Some at least of the safety which attended chloroform administration when it was first introduced was undoubtedly due to the purity of the drug manufactured and produced in large quantities at a moderate cost by Messrs. Duncan & Flockhart, the leading chemists of Edinburgh."

THE EXPORTS OF ARGOLS from Bari during 1911 amounted to 2,360 tons, valued at 183,630*l.*, against 2,821 tons, valued at 212,294*l.*, in 1910. Exports of tartar and tartaric acid from Barletta during 1911 amounted to 1,644 tons, valued at 141,090*l.*

## General Medical Council.

THE autumn meeting of the Council was continued at 299 Oxford Street, London, W., on Thursday, November 28, and the business completed on that day. Our report of the proceedings up to that morning was printed in the Coloured Supplement of the *C. & D.*, November 30. Sir Donald MacAlister, K.C.B., presided, and

### PENAL CASES

again came before the members. The names of the following practitioners who have been convicted of criminal offences were ordered to be removed from the Medical Register:

Wm. Arnold Thomson, F.R.C.S.I., Castle Hill, Maidenhead.

Geo. Bell Todd, M.B., M.S., 40 Lansdowne Crescent, Glasgow.

Charles Ernest Turner, M.R.C.S., Camberwell Road, S.E.

Herbert Alfred de Pinna, M.R.C.S., Grosvenor Street, W.

The name of Alfred James Fletcher, dentist, Pretoria Road, Southsea, was removed from the Dentists Register.

Further light was thrown on the case of

"RICHARD HENRY BARBER,"

reported in the *C. & D.*, November 30, index folio 805. Dr. Bateman, of the Medical Defence Union, stated that Dr. Barber, registered as of 69 Victoria Road, New Brighton, Cheshire, latterly lived in Oregon, and was drowned in attempting to cross a creek on his way to see a patient one night in December 1904. The jury had returned a verdict of accidentally drowned, and his widow had claimed and obtained \$2,000 insurance money. By some oversight the announcement of his death was never sent to the Registrar. To show that someone had been practising as Dr. Barber, the evidence of Dr. Bond, who had acted as locum and afterwards as assistant to the impersonator in New Brighton from 1904 to 1912, was read. The latter was described as a thick-set man, about forty-two, with shifty eyes. He did very little work. He disappeared precipitately last spring, with the tale that some woman was blackmailing him, and Dr. Bond had never seen him since. Dr. Barber's widow, who practises as a doctor in Oregon, and who had come over at express speed in order to assist the Union in their investigation, was tendered by Dr. Bateman as a witness, and she identified her late husband's diploma, the original registration certificate issued from the Council's office, photographs, officer's commission in the Natal Guard, and other proofs which Dr. Bateman produced. There was no doubt as to the desirability of removing the name of the bogus Dr. Barber from the Register, and the President was soon able to announce that decision, adding an expression of thanks from the Council to the Medical Defence Union for their action in the matter (it has cost the Union some 60*l.*), and their indebtedness to Mrs. Barber for undertaking the journey from Oregon.

### THE REPORT OF THE EXAMINATION COMMITTEE

on the examination of the Apothecaries' Hall, Dublin, recommended that the assistant examiners be requested to report for the future upon the examinations in pharmacy and medical jurisprudence. This stirred the usual little breeze from Dr. Adye Curran, who said that he had hoped, now that Sir David McVail had gone, there would be peace. Sir John Moore asked why pharmacy was included in the examinations, and whether the marks obtained were used as compensation in the department of medicine. Dr. Adye Curran replied that the pharmacy qualification enables a man to open a shop; if a doctor dispenses he should be acquainted with pharmacy in every branch, he added. The President doubted the legality of the recommendation proposed, and it therefore was dropped. Dr. Adye Curran proposed that these reports should be issued occasionally only or fall into abeyance altogether. Dr. Latimer agreed; the President and Sir H. Morris also thought that it is not now necessary to report on every one of the finals. Ultimately the matter was referred to the Examination Committee.



## THE BRITISH PHARMACOPEIA.

The following report of the Pharmacopœia Committee was brought up by the President as Chairman, with the remark that in spite of the fact that the time was arriving for the issue of the new Pharmacopœia, the sale of the old one maintains a high level.

From June 1 to November 23, 1912, the number of copies of the British Pharmacopœia (1898) sold by the publishers was 605. The total number of copies sold in the year ending November 23 was 1,046, a number somewhat in excess of the annual average. Up to the present time 44,620 copies of the Pharmacopœia and 4,520 copies of the Indian and Colonial Addendum have been sold. The stock of the Pharmacopœia now in hand numbers 384 copies; it may be necessary to print a small additional impression before the new Pharmacopœia is ready for publication. Four important sections of the draft text of the new work have been prepared by the editors, and are in course of revision by the Committee, with the assistance of the several Committees of Reference. It is hoped that these sections and others will be ready for the printers early in the new year, and that the correction of the proofs will thenceforward be rapidly proceeded with. The Committee recommend that Dr. Cash, now an additional member, be appointed an ordinary member of the Committee, in the place of Sir David McVail.

The report and recommendation were adopted.

## NATIONAL INSURANCE ACT.

The only debate of importance arose out of Sir Clifford Allbutt's motion, the last item on the programme:

That the Insurance Act Committee be instructed to consider in the interests of medical education the means and arrangements under the Act for providing those aids to diagnosis, treatment, and research which modern pathology has made available, and be authorised to make representations on these and any other matters arising out of the Act to the authorities concerned which come within the functions of the Council.

After speeches from Sir Clifford and the President the motion was carried.

This concluded the business, and the Council rose at six o'clock, having sat for three days only. This breaks all records, the best previously being a four days' session. As thirty-five members were present and each one receives five guineas a day, the saving in fees alone is considerable. Mr. N. C. King, the new Registrar, acted throughout, and part at least of the credit of the saving is due to him.

## Doctors and Drugs.

Mr. W. J. U. Woolcock, Secretary of the Pharmaceutical Standing Committee, replied in "The Times" of December 2 to "General Practitioner," from whose remarks we quoted last week. He again emphasises the admissions as to doctors dispensing made before the Select Committee on Patent Medicines by Dr. Cox, also referring to the varied nature of the work of doctors' dispensers. He proceeds to say:

Much has been said of the misuse of prescriptions, but this is practically impossible. The prescription will not remain in possession of the patient, but will ultimately come back to the Insurance Committee. The Insurance Act is primarily concerned in safeguarding the interests of insured persons, but in so doing it ought not to injure any particular section of the community. Your correspondent appears to be unaware that in Scotland practically the whole of the dispensing and in England and Wales a considerable portion of it is done by pharmacists. To hand this dispensing to the doctors, in addition to being prejudicial to the insured person, would be to destroy the position of a body of men whom the State has insisted shall pass certain severe examinations in pharmacy and dispensing before they may practise their calling. On the other hand, the medical profession has obtained by means of their organisation, which one can at least respect, a sum of money which should make them independent of business.

Mr. Woolcock submits, in conclusion, that the best interests of the community are served when a doctor writes a prescription and this prescription is taken to a pharmacist.

At last week's meeting of the Newcastle-on-Tyne Insurance Committee it was agreed to authorise the Chairman, Medical Adviser, and Clerk to interview the Pharmacists' Association and report.

## TRADE REPORT.

The prices given in this section are those obtained by importers or manufacturers for bulk quantities or original packages. To these prices various charges have to be added, whereby values are in many instances greatly augmented before wholesale dealers receive the goods into stock, after which much expense may be incurred in garbling and the like. Qualities of chemicals, drugs, oils, and many other commodities vary greatly, and higher prices than those here quoted are charged for selected qualities of natural products even in bulk quantities. Retail buyers cannot, therefore, for these and other reasons, expect to purchase at the prices quoted here.

42 Cannon Street, London, E.C., December 5.

THERE is a fair amount of activity in the chemical and drug markets, but as we have now entered the final month of the year a gradual decline in the volume of business is looked for from now onwards. Speculative activity continues restricted, but granted an early conclusion of peace in the Balkans general business conditions are favourable. According to reports appearing in the drug-trade Press in New York, a very good business has been in progress for several weeks past, but American merchants on this side do not confirm this opinion, if such can be judged by the number of orders received here lately. A fair number of price-alterations are reported, comprising an advance of 1*d.* in industrial and mineralised spirit. Chloroform has also advanced 1*d.* on the ordinary B.P. and 2*d.* on that made from S.V.R. Phenacetin is 3*d.* to 4*d.* dearer, and an advance in santonin has practically been decided on by the Hamburg syndicate. Cream of tartar is 2*s.* cheaper, and tartaric acid a shade easier. Quicksilver is 4*s.* lower to-day. Quinine is steady, and morphine the turn cheaper; theobromine and salts have been reduced. Menthol is lower. Among drugs, English castor oil is cheaper, and acacia-gums have an easier tendency. Hydrastis is also easier. Lobelia and podophyllum are dearer. Opium has an easier tendency. Canary-seed is firm, caraway easier; while coriander, cumin, fenugreek, and linseed are unchanged. In essential oils sandalwood continues to advance. Star anise is dearer on the spot, and a good quantity afloat has been sold for the Continent. Bourbon geranium and French lavender oils are firm. The following table shows the chief movements of the week:

Higher	Firmer	Easier	Lower
Chloroform	Anise oil	Caraway-seed	Balsam tolu
Lemon oil	star (spot)	Castor oil	Cream of
Lobelia	Copper	(Eng.)	tartar
Phenacetin	sulphate	Jalap resin	Linseed oil
Sandalwood		Opium	Menthol
oil		Senegal gum	Quicksilver
Spirit,		(f.o.b.)	(official)
industrial		Tartaric acid	Soya oil
Spirit,			Theobromine
mineralised			and salts
Turpentine			

## Cablegram.

NEW YORK, December 5.—Business in drugs is good. Opium has advanced 10*c.* per lb. to \$7.10 for druggists' in single cases. Peppermint oil in tins is quiet at \$2.75. Jalap is easier at 22*c.* per lb. Cartagena ipecacuanha is firm at \$2.30, and Central and South American copaiba is easy at 46*c.* per lb. Balsam Canada is very firm at \$6.25 per gal. Menthol is lower at \$13, and hydrastis (golden seal) is easy at \$4.20. Cascara sagrada is unchanged.

### London Markets.

**AGAR-AGAR** is offered at 1s. 8d. to 1s. 8½d. per lb. c.i.f. for shipment from Hamburg.

**ALOE.**—From Hamburg 48s. per cwt. c.i.f. is quoted for prime black capey Curaçao in at least 5-cwt. lots. Higher prices are quoted from the Cape, owing to drought, and it is anticipated that when present stocks are exhausted prices will advance.

**ANISE OIL (STAR)** continues scarce on spot, added to which about 80 cases afloat have been bought up for Continental account, and 6s. 11d. has been paid for the "Red Ship" brand with 7s. asked. Business has been done at 6s. 2d. for December-January shipment; and near at hand is quoted at 6s. 7d. c.i.f.

**ANISEED.**—Good quality of new-crop Russian is offering at 26s. per cwt. on the spot.

**ASAETIDA.**—According to the London drug-statistics the stock is 1,514 packages, against 774 packages in December 1911. The proportion of good quality, however, is small, a fair amount of the gum consisting of rejections by the U.S.A. from the London and Hamburg markets.

**CAMPHOR (CRUDE).**—Small sales of Chinese are being made on the spot at 167s. 6d. per cwt., but some ask 175s. spot.

**CAMPHOR (REFINED).**—Japanese is quiet on the spot at 1s. 7d. for 1-oz. tablets, 1s. 8d. for ½-oz., and 1s. 9d. for ¼-oz.; to arrive, slabs have been sold at 1s. 5d. c.i.f. for January-February shipment. Tablets are quoted at 1s. 6d. to 1s. 6½d. c.i.f.

**CANARY-SEED** is firm, and the lower-priced qualities are scarce, but the demand is slow. Turkish and ordinary Morocco are quoted 70s. to 71s., and good Morocco 75s. per quarter.

**CANNABIS INDICA.**—Genuine Bombay tops are very scarce, the value of a limited quantity being 5s. 6d. Marmagao tops are quoted 5s. 3d. An arrival of East African has taken place, and will probably be offered at next week's drug-auction.

**CANTHARIDES.**—Russian flies remain unchanged at 3s. 5d. per lb. net c.i.f.

**CARAWAY-SEED** is easier at 30s. per cwt. for fair Dutch on the spot.

**CASCARA SAGRADA.**—Old bark is somewhat scarce on spot, at between 40s. and 42s. 6d., according to age, quantity, and seller. New bark is offered in one direction at 32s. c.i.f.

**CASSIA FISTULA.**—The new crop of East Indian (according to a Hamburg report) appears to be plentiful, and business is being done for October-December shipment at 19s. per cwt. net c.i.f.

**CASSIA OIL** is unchanged with retail sales on spot, the values being: 80 to 85 per cent. 3s. 9d., 75 to 80 per cent. 3s. 7d., and 70 to 75 per cent. 3s. 6d.; to arrive a fair business has been done, comprising 80 to 85 per cent. at 3s. 6d. c.i.f., and 70 to 75 per cent. at 3s. 1d. c.i.f.

**CASTOR OIL.**—English make is 5s. per ton cheaper, pharmaceutical quality offering at 31l. 10s. per ton, first pressing at 29l., and January to June (1913) 28l. per ton in barrels; cases 50s. per ton extra, delivered free on wharf London. Belgian is quoted at 29l. 10s. for first pressing in barrels prompt and forward, ex wharf London.

**CEVADILLA.**—A Hamburg circular states that the cable reports received a few weeks ago that this season's crop was plentiful have proved untrue, and were probably circulated to keep European buyers out of the market. Prices rule firm, 62s. per cwt. for new crop, December-January shipment from Hamburg, with higher prices in prospect.

**CHLOROFORM.**—The makers announce an advance of 1d. per lb. in the ordinary pure B.P., and one of 2d. on that made from s.v.r. Pure B.P. is now listed at 1s. 7d., and 50-lb. lots 1s. 6d. per lb. That made from rectified spirit is now 5s. 10d., and 50-lb. lots 5s. 9d., with the usual reductions for quantity. Contracts are subject to benefit of falling clause, and are held to apply to either or both qualities. The higher prices for acetone and bleach are responsible for the advance.

**CINCHONA.**—Further particulars in regard to the Amsterdam auction to be held on December 12 show that the 15,422 bales and 342 cases to be offered weigh 1,224,520 kilos., with a quinine-content of 74,322 kilos. The manufacturing bark weighs 1,113,063 kilos., and contains the equivalent of 70,217 kilos., the pharmaceutical bark weighing 111,457 kilos, and containing 4,105 kilos. q.s. The average percentage in the manufacturing bark is 6.31, against 6.23 in November and 6.45 in October. The bark shipments from Java to Europe during November amounted to 1,593,000 Amst. lb., against 1,583,000 Amst. lb. in 1911. The total shipments from January to November 1912 amounted to 15,004,000 Amst. lb., against 15,428,000 Amst. lb. in 1911.

**CITRONELLA OIL.**—For Ceylon close at hand 1s. 6½d. c.i.f. is quoted, and for distant shipment rates are easier; the value of spot is 1s. 7d.

**COCA-LEAVES.**—The 975 packages Java to be offered at Amsterdam on December 12 weigh 52,230 kilos., the total alkaloids being 863 kilos., and the average percentage is 1.67. The exports of coca-leaves from Java during November amounted to 4,456 packages.

**COD-LIVER OIL.**—Our Bergen correspondent writes on December 2 that the market continues very quiet at the previous quotation of 66s. per barrel c.i.f. for prime non-congealing Lofoten oil. In some quarters 65s. is quoted. On the London market the demand is chiefly for delivery of previous contracts. Several agents quote 65s. to 66s. c.i.f. for finest brands.

**COPPER SULPHATE** is a shade firmer, the usual Liverpool brands offering at 25l. 5s. per ton for prompt delivery, and March-April delivery at from 25l. 15s. to 25l. 17s. 6d.

**CORIANDER-SEED** is unchanged at 11s. to 12s. per cwt. for wormy to sound old-crop Morocco, and 12s. 6d. for new-crop.

**CREAM OF TARTAR.**—Lack of demand and competition is responsible for a decline of 2s. per cwt., 98-per-cent. powder offering at 87s., and 95-per-cent. at 85s. per cwt.

**CUMIN-SEED** is quiet at 22s. per cwt. for Morocco on the spot. Malta is quoted 26s. per cwt. c.i.f. terms for shipment.

**ERGOT.**—From Hamburg good sound Russian is quoted 4s. 1d. per lb. c.i.f., and for prompt shipment from Russia 3s. 10d. to 3s. 11d. c.i.f. is quoted. Some business has been done in German on spot at 4s. 3d.

**FENUGREEK-SEED** is slow of sale at 9s. 6d. to 10s. per cwt. for Morocco.

**GAMBOGE.**—The arrivals comprise 20 cases per *Falcon* via Havre.

**GENTIAN.**—The arrivals comprise 68 bales from Mar-seilles and 110 bales from Bordeaux.

**GERANIUM OIL** is firm, with light offerings, the value of Bourbon on spot being 27s.; forward business has been done at 24s. 9d.

**GUARANA** is scarce, with 12s. 6d. per lb. quoted in the Hamburg market for small lots.

**GUINEA GRAINS** of fair, sound quality offering at 60s. per cwt. c.i.f.

**GUM ACACIA.**—The value of fair Sudan sorts on the spot is 35s., and to arrive 35s. c.i.f. is also asked for new crop, but for old crop rather less might buy. Arrivals comprising 1,793 bags have taken place from Port Sudan, also 1,297 bags *in tr.* Supplies of Senegal are wanting on spot, and to arrive the tendency is easier, fair quality of Bas de Fleuve probably being obtainable at 35s. 6d. f.o.b.

**HYDRASTIS.**—Accumulation of supplies at primary centres accounts for an easier tendency, with offers at 17s. per lb. c.i.f.

**IPECACUANHA.**—Further sales of Johore ex last week's auction have been made at 8s. 6d., and about half the consignment has been cleared. Other descriptions remain quiet. The *Avon*, from Monte Video, has brought 13 packages, said to be Minas description.

**JABORANDI-LEAVES.**—Several parcels have arrived on the Hamburg market of late, and for broken lots 4½d. per lb. c.i.f. is asked.



**JALAP RESIN.**—The December list price of makers shows a reduction of 6d. per lb. to 15s. 6d., and powdered to 16s. 3d.

**LAVENDER OIL.**—French remains firm, with stocks in primary markets concentrated in fewer hands than usual; from 15s. to 15s. 6d. per lb. is quoted for good brands.

**LEMON-JUICE.**—English squeezed of new crop is quoted at from 1s. 3d. to 1s. 4d. per gal. for January-March delivery.

**LEMON OIL** is much dearer in primary markets, cables to hand to-day quoting from 7s. 6d. to 7s. 10d. per lb. c.i.f., and even more. Spot is scarce, with 8s. 6d. asked for good brands.

A Palermo advice dated November 2 reports a fairly active demand for spot oil, and certainly larger than the scanty supply offered. Therefore the few parcels offered for immediate shipment were taken up with such haste that, although buyers tried not to excite the market, they were not successful, and stringency has been apparent. A good many speculators who hold large forward contracts are now playing their most important card, and the keen demand for prompt oil at much higher figures than was quoted for January-February shipment has given them a fair chance of turning the market in their favour. This they are trying with all their power to do, taking advantage of the need of those who are involved in the non-deliveries alluded to in previous reports. The general tendency among the steadier part of operators is to prevent prices being driven too high at the opening of the season, which would be dangerous for all concerned.

**LINSEED** is unchanged at 60s. to 62s. 6d. per quarter for good clean quality.

**LOBELIA** has advanced to 8d. per lb. c.i.f., and on the spot 8½d. is asked, with the probability of higher prices.

**LYCOPodium.**—Treble-sifted quality in cases is offered at 1s. 7½d. per lb. c.i.f.

**MENTHOL** has shown further signs of weakness since the auction-sale last week; business is of the smallest dimensions, and 37s. per lb. is quoted on the spot for Kobayashi. Arrival business is at a standstill.

**MILK-SUGAR** is subject to keen competition; values are from 61s. to 63s. per cwt., the lower price being for contract quantities.

**MORPHINE**, in sympathy with opium, is the turn cheaper, makers quoting hydrochloride powder at 11s. per oz. in contract quantities. It is difficult, however, to get delivery, which cannot be guaranteed before January.

**MUSK** is unchanged, the value of Tonquin thin-skin blue Pile I. being 77s. 6d. per oz., and old-fashioned 60s. per oz. For fair Russian Cabardine 17s. per oz. is asked, at which small lots have been done.

**NUX VOMICA.**—Small sales of Madras, ex last week's auction, have been made at 9s. 6d. per cwt.

**OILS (FIXED).**—*Linseed* is lower on the week, the spot price in pipes closing at 26s. and barrels at 26s. 3d. *Cottonseed* is quiet and easy at 25s. 6d. per cwt. for crude, 26s. for ordinary pale refined, and 29s. for sweet refined. *Soya* is 1s. 6d. per cwt. cheaper at 27s. 6d. in barrels. *Coconut* is unchanged at 41s. for Ceylon and 47s. for Cochin on the spot. *Lagos Palm oil* is unchanged at 30s. 6d. in Liverpool, the spot price being 34s. *China wood oil* on the spot is quoted at 29s. 6d. and October-November shipment at 30s. 6d. per cwt. *Rape* is quiet at 31s. 3d. on the spot and at 33s. for English refined in casks. *Petroleum* on the spot is quoted at 8d. for Russian, 8½d. for ordinary refined American, and 9½d. for water-white. *Turpentine* has met with an active demand, and is dearer, the spot price of American closing at 28s. 9d. per cwt. The prices of *Lubricating oils* continue to advance, the principal importers intimating a further rise in its various grades of from 12s. 6d. to 15s. per ton, both for spot and forward delivery. It is less than two months since a similar advance was announced. These repeated advances, which make the current level of values fully 4l. per ton above the lowest price touched last year, are attributable to the marked trade activity.

**ORPUM.**—The cessation of buying has brought about an easier feeling in primary markets, with sellers offering usual druggists' quality at 19s. 6d. per lb. c.i.f., and on the spot the value of this grade is 23s. The arrivals

in London comprise 125 cases per *Medoc* via Marseilles, 47 cases per *Celia* via Hamburg, and 32 cases per *Namur* from Hong-Kong. The *City of Khios* is also now on the way with 150 cases.

A Constantinople correspondent writes on November 30 that the sales for the week amount to 12 cases druggists' quality at from 280 to 290 ptrs., 44 cases soft-shipping at from 308 to 312 ptrs., and 2 cases Malatia at 305 ptrs. per oke. Market is unchanged. The demand has been principally for London, and good prices are being paid for soft-shipping and Malatias. The arrivals in Constantinople amount to 2,114 cases, against 1,180 cases in 1911, and the stock is now 1,024 cases, against 414 cases; these consist of 615 druggists' (1911, 237), 303 "soft" (1911, 124), and 106 Malatia (1911, 53).

**ORANGE OIL** is firm, new crop for prompt shipment offering at 7s. 10d. c.i.f. A Palermo advice dated November 30 states that the unsatisfactory yield from the pressings and the heavy requirements to fill previous contracts keep the market in a difficult position, and new business has been impossible. *Sweet* of new crop is quoted 8s. 0½d. and *bitter* 7s. 10d. c.i.f. London.

**PHENACETIN.**—The makers have advanced their prices by about 3½d. to 4d. per lb. The quotations are now from 2s. 9½d. per lb. to 3s. 2d., the lower price being for minimum quantities of 10 cwt.

**PODOPHYLLUM**, as intimated in our New York cable last week, has advanced; spot holders ask 34s., and to arrive 32s. to 33s. c.i.f. is quoted.

**QUICKSILVER.**—To-day (Thursday) the principal importer reduced his price by 4s. per bottle to 7l. 8s. 6d., and in second-hands 7l. 5s. is quoted.

**QUININE** steady, with sellers of the usual brands of German sulphate from second-hands at 9d. per oz., and buyers at 8½d. Amsterdam has been sold at 8½d. The landings in London during November were 110,000 oz., and the deliveries 125,296 oz., leaving a stock on November 30 of 3,779,696 oz., against 3,399,440 oz. in 1911.

**RHUBARB.**—Retail sales of good medium size round Shensi of fair pinky fracture and coat have been made at 2s. 9d. per lb., being steady, and for several cases of rough round horny High-dried of ordinary quality 9½d. has been paid.

**SAFFRON** is extremely firm and unchanged, but as the shortage becomes more and more apparent, higher prices are looked upon as a certainty. To-day's quotation for finest Valencia quality is 49s. per lb. net, and No. 2 grade at from 47s. 6d. to 48s. net.

**SANDALWOOD OIL.**—Until the Mysore wood-auctions are completely over and the results weighed up, it is difficult to give exact quotations from that source. Meanwhile, English drawers quote from 17s. 6d. to 18s., and business has been done up to 17s. A few second-hand holders who have favourable contracts can shade these prices.

**SANTONIN.**—It is stated, and on good authority, that another advance is imminent on the part of the Monopoly, and is likely to take place about the middle of this month. It would not appear that the extreme rates had had much effect on consumption.

**SHELLAC** is steady on the spot, with a retail business in TN Orange on a basis of 68s. for fair. For arrival, December-January shipment is quoted 68s. and January-February 69s. c.i.f. Futures are steady, the sales including December at from 67s. to 68s., April at 71s. 6d., and May at 72s. and buyers.

**SOY** is very scarce at from 1s. 5d. to 1s. 7d. per gal. according to brand, the latter being for Wochan.

**SPICES.**—At auction 265 bags of washed rough Cochin *Ginger* were bought in, comprising fair medium and small at 35s. and wormy at 32s. *Cinnamon* was steady, 50 bags of Ceylon selling at 4½d. for chips and quillings, and of *Cloves* 49 bales of Zanzibar were bought in at from 9½d. to 10d. according to quality. Privately the spot market is unchanged but firm at 9½d. for fair Zanzibar, at which business has been done. To arrive, the sales include October-December at 9½d. c.i.f.; for delivery, sellers quote January-March at 9½d. and March-May at 9½d. At auction 55 bags Nyasaland *Capsicums* were offered, and 37 sold at from 11s. to 16s. for red mixed and perished. Of *Pepper* at auction, 105 bags

Ceylon offered, and 46 sold at  $5\frac{1}{4}d.$  for fair; 27 bags of Alleppy sold without reserve at from  $5\frac{1}{4}d.$  to  $5\frac{3}{4}d.$  Privately sellers of fair Singapore asked  $5\frac{1}{4}d.$  on the spot, being unchanged, and for arrival Singapore for January-March shipment closed on Wednesday with sellers at  $5d.$  White pepper was not offered at auction, and privately the market for fair Singapore is quiet, with sellers at  $8\frac{3}{4}d.$ , and fair Muntok at  $8\frac{3}{4}d.$  For January-March shipment of Singapore sellers quote  $8\frac{3}{4}d.$ ; Muntok for November-December shipment at  $8\frac{1}{2}d.$ , and January-March at  $8\frac{3}{4}d.$  c.i.f. *Nutmegs* were steady in auction, the sales including 146 packages West Indian. *Mace* was also steady, 42 packages West Indian selling at from 2s. to 2s. 1d. for ordinary and red, 2s. 2d. to 2s. 3d. for fair, and 1s. 9d. to 1s. 10d. for broken.

**SPIRITS.**—The methylators announce an advance of 1d. per gal., both in industrial and mineralised spirit, the following being the rates:

In one delivery		Industrial		Mineralised	
		61 O.P.	64 O.P.	61 O.P.	64 O.P.
100 gals. and under 300	...	s. d. 2 2 $\frac{1}{2}$	s. d. 2 3	s. d. 2 7 $\frac{1}{2}$	s. d. 2 8
30 " " 100	...	2 3 $\frac{1}{2}$	2 4	2 8 $\frac{1}{2}$	2 9
10 " " 30	...	2 5 $\frac{1}{2}$	2 6	2 10 $\frac{1}{2}$	2 11

Methylated resin-finish is 1d. per gal., and methylated shellac-finish 2d. per gal. extra.

**TARTARIC ACID** is easier, English offering on the spot at 1s. 1d. and foreign at 1s. 0 $\frac{3}{4}d.$

**THEOBROMINE.**—Prices show a further reduction, makers' quotation for the pure alkaloid being 1s. 4d. per oz. net, and the sodio-salicylate 10d. to 11d. net.

**VANILLIN.**—Owing to the high cost of eugenol, it is stated that some of the makers of vanillin are seriously considering the advisability of manufacturing from cheaper phenol; so that it behoves those who use it in food-products to make inquiry as to any change in manufacture.

**WAX, CARNAUBA.**—Small sales of chalky grey have been made at 157s. 6d., and waxy at 162s. 6d. per cwt.; to arrive waxy can be had at 160s. c.i.f.

**WAX, JAPANESE.**—Retail sales have been made on spot at 47s., and to arrive 42s. 6d. c.i.f. is quoted.

### Heavy Chemicals.

Generally speaking, there is little of change to be noted with regard to the condition of the heavy-chemical market. There is a fair activity at all main centres, chiefly on miscellaneous account, because a very large percentage of next year's contracts have already been concluded. Deliveries and calls against this year's contracts are good, but for this year's demand a gradual decline may now be looked for, owing to the prevalent desire to carry as low stocks as possible forward into next year. Shipments continue a good average. The general tone of prices is firm, and is likely to continue so.

**ALUMINA-PRODUCTS** are very steady, and the demand on both contract and miscellaneous account is good. Prices are firmer, and with advancing costs and charges are likely to go higher, especially as from a manufacturing point of view the prices which have ruled for a long time have been very low. Present nearest figures: Crystal alum, lump, 5l. 15s. to 6l. 5s., and ground, in bags, 6l. 5s. to 6l. 15s. per ton, free on rails Lancashire or Yorkshire, or f.o.b. Hull, Goole, or Liverpool. Sulphate of alumina, of purest qualities and practically free of iron, are a shade better at 5l. to 5l. 10s. per ton for ordinary strength, in casks, with usual allowances for loose slabs and customary extras for higher concentrations. Alumino-ferric is in good demand at 52s. 6d. to 57s. 6d. per ton, and a similar remark applies to aluminous cake at 50s. to 60s. per ton, according to quality, quantity, and destination. Hydrate of alumina, high strength,  $Al_2O_3$ , and purest quality, 12l. 10s. to 13l. 10s. per ton, in casks, free on rails. Aluminate of soda, purest quality and high strength,  $Al_2O_3$ , 27s. 6d. to 30s. per cwt. Carbonate of alumina, 30s. to 32s. 6d. per cwt.

**BENZOLS** are quietly steady, with present naked figures as follows: 90 per cent., 11d. to 11 $\frac{1}{2}d.$ , and 50 per cent., 11d.; North, 10d. to 10 $\frac{1}{2}d.$ , and 10 $\frac{1}{2}d.$  to 10 $\frac{3}{4}d.$  respectively.

**STRONTIUM-PRODUCTS** are in fair average request. Precipitated carbonate of strontia, 90 to 95 per cent., 11l. to 12l. 10s. per ton, according to quantity, etc. Mineral carbonate of strontia, lump, 86 to 90 per cent., 14l.; and smalls, 80 to 85 per cent., 12l. Hydrate of strontia crystals, in casks, 9l. to 9l. 15s. per ton.

### Manchester Chemical-market

December 3.

There is a distinct toning down in the demand for heavy chemicals, owing probably to the approach of the end of the year. On export account, too, there is less doing through the present condition of things in the Near East. Bleaching-powder and caustic soda remain steady. There has been a fair inquiry for chloride of calcium at 2l. 7s. 6d. to 2l. 12s. 6d. per ton. Phosphate of soda quiet. Pot and pearl ashes are in slow inquiry. There has been a good demand for yellow prussiate. Sulphate of copper quiet, but, although the raw metal is on the easy side, holders ask full rates—say, 25l. 12s. 6d. to 25l. 15s. per ton, best brands, delivered Manchester. Coal-tar products rather quiet. Sulphate of ammonia is 13l. 12s. 6d. to 13l. 15s. per ton, f.o.r. Manchester.

### American Drug-market.

New York, November 25.

Business continues active in the New York drug-market, and, despite the result of the Presidential election and its probable influence on the tariff, buyers of both imported and domestic articles are operating on a much less conservative scale than hitherto. Prices generally are well maintained, with a rising tendency for raw materials.

**ALOES.**—Case Curaçao is offered more freely, and, since consumers are buying cautiously owing to the present high level, prices are the turn easier at 10c. for spot goods. Demand for gourd Curaçao is backward, and 10c. will buy in barrel-lots. Cape is finding a small outlet at 8 $\frac{3}{4}c.$

**BLOOD-ROOT** is in fairly good demand on spot, and 9c. is quoted. More plentiful supplies are reported from primary sources, and dealers there are asking 7 $\frac{1}{2}c.$

**BUCHU.**—Short leaves are in moderate inquiry, and supplies are available at \$1.60 for prompt delivery; goods to arrive are listed at \$1.70. The long description is held for \$1.45, being dearer.

**CANADA BALSAM** is very scarce on spot, and little is obtainable in collecting districts. Barrel-lots are held at the recent advance to \$6 per gal. Oregon has been in improved demand, and 75c. to 80c. is quoted, as to product and dealer.

**CARBON BISULPHIDE** of domestic manufacture is now available in normal quantities, and prices are 2 $\frac{1}{2}c.$  lower at 8 $\frac{1}{2}c.$

**CASCARA SAGRADA.**—The market is quiet meantime, and with large supplies of new crop held in stock at primary points prices are in easy tendency for this grade, as low as 7 $\frac{1}{2}c.$ , f.o.b. New York, being acceptable. More mature bark is quoted at 8c. to 8 $\frac{1}{2}c.$ , as to quantity.

**COPAIBA.**—Demand has been backward for C. & S. American grades, and large supplies are held on spot. Prices are now lower at 46c. to 47c. Para also is easier at 49c.

**DAMIANA** is in improved supply, and prices are lower at 8c.

**HYDRASTIS.**—Owing to a falling-off in demand, holders of the liberal supplies in primary markets are anxious to turn over their stocks. Prices at Interior points have been reduced further to \$4 for fall-dug. On spot the movement is slow, and \$4.25 can be done for U.S.P. test.

**PECAC.** is in lessened demand, and prices are barely steady at \$2.30 for both Cartagena and Rio descriptions.

**MENTHOL** is well maintained at the advance to \$14, and supplies are meagre. New arrivals are quickly taken up at this figure, leaving no surplus stock.

**PEPPERMINT OIL (AMERICAN).**—Tin oil is 5c. lower on spot at \$2.75, and the market is considerably easier, owing to the developing weakness of the primary market. There is reported to be a large proportion of this year's crop in the hands of country dealers, held in anticipation of fancy prices, which failed to materialise. H.G.H. is steady at \$3.30.

**SARSAPARILLA.**—Mexican root is in scarce supply, and prices are firmer at 16c.

**TOLU BALSAM** is in more plentiful supply, and with increasing stocks at primary sources the local market is lower at 80c.

### Continental Drug and Chemical Markets.

**ARSENIC.**—The market conditions for 1913 have been rather unsettled up to the present, but it now appears that not only will high prices continue, but a further advance is looked for. It is not possible to buy best white powder below m.52 to m.54 and lump under m.62 to m.64 per 100 kilos.

**CARNAUBA WAX.**—During the past few days a fair business has been done on the Hamburg market, and the cheap offers have been cleared, the tendency being rather firmer. The late small arrivals from Brazil are held for higher prices, sandy grey costing m.312.50 to m.315, fatty grey m.340 and more.

**CERESIN WAX.**—The various qualities have increased about



m.5 per 100 kilos., chiefly on account of the demand for ozokerite (which is becoming increasingly difficult to obtain) and the high prices paid for paraffin. The increased prices, however, are not expected to be of long duration.

### Tartaric Acid.

A circular has been issued by one of the agents, stating that the Spanish wine-crop is now known to be about 10 per cent. less than last year's, whereas the French is better. The reports clearly indicate that the wine will be low in alcohol-content, owing to the mild summer. It is to be feared that raw material will consequently be poor in suitable tartrates; the figures of the Italian crop are still outstanding. Two facts ought to be kept in view—viz., the great scarcity of refined tartaric acid and of raw material from former crops (new raw material is not available until April-May). Giving due weight to every aspect, we have grave doubts that the 1912 crop, which at the best may be only an average, will be sufficient to fill the gaps. In France and Italy dealers appear to already cover their full requirements for 1913.

## London Drug Statistics.

THE following statistics are compiled from information supplied by public warehouses. They relate to the receipts and deliveries of some of the leading drugs from and into the London public warehouses for the month of November, and to the stocks on November 30:

	November		Stocks		1912	
	Landed	Delivd	1912	1911	Imptrd.	Delivd.
Aloes.....cs. etc.	176	142	1,065	1,363	1,411	1,616
".....gourds	—	—	1,464	1,092	666	294
Anise, star.....cs.	—	—	1	55	—	74
Arrowroot.....pkgs.	60	819	2,892	3,158	10,503	10,186
Balsams.....chs.	22	9	119	301	145	325
Calumba.....pkgs.	—	255	2,407	946	2,763	1,618
Camphor....."	123	665	1,482	2,336	8,703	9,171
Cardamoms....."	118	232	612	821	2,615	2,762
Cascara sagrada tons	22	12	267	284	117	135
Cinchona.....pkgs.	222	490	3,273	4,148	4,904	5,660
Cochineal.....bgs.	—	34	182	351	319	481
Gubebis....."	16	—	79	185	455	543
Dragon's-blood pkgs.	—	26	97	139	201	229
Galls....."	—	275	2,328	1,967	4,011	3,621
Gums—						
Ammoniacum ..	—	12	42	7	92	123
Analm....."	103	24	418	263	1,061	959
Arabic....."	1,156	995	7,090	4,288	12,658	10,547
Asafetida....."	123	41	1,514	774	2,313	1,532
Benzoin....."	139	166	671	288	2,385	2,010
Copal....."	2,826	3,935	12,232	25,640	34,827	46,506
Damar....."	271	1,169	5,377	5,108	9,136	8,496
Gamboge....."	75	30	114	169	155	178
Gualacum....."	2	—	30	41	29	37
Kauri.....tons net	14	123	187	371	1,237	1,362
Kino.....pkgs.	—	1	19	27	76	23
Mastic....."	4	6	14	29	15	21
Myrrh, E.I....."	12	19	494	389	472	396
Olibanum....."	—	81	1,398	676	1,456	696
Sandarac....."	71	110	510	599	1,147	1,147
Tragacanth....."	367	2,382	7,692	3,760	22,104	17,739
Ipecacuanha—						
Cartagena....."	6	11	16	24	64	71
E.I. (Johore) ..	40	7	49	68	115	100
Matto Grosso ..	2	8	112	54	198	135
Minas....."	41	30	54	37	144	129
Jalap.....bls.	105	14	†322	83	492	236
Nux vomica.....pkgs.	100	121	264	126	1,174	969
Oils—						
*Anise, star.....cs.	—	16	20	20	76	73
*Cassia....."	—	1	52	24	93	78
Castor.....pkgs.	100	62	195	138	1,069	1,156
Coconut.....tons	196	350	500	215	1,947	1,645
Olive.....pkgs.	694	542	2,483	1,519	7,488	6,560
Palm.....tons	—	3	74	33	215	174
Quinine.....lb.	6,875	7,831	236,231	212,465	86,121	72,253
Rhubarb.....cs.	574	57	893	354	1,091	491
Sarsaparilla.....bls.	36	42	224	248	787	787
Senna.....pkgs.	272	647	2,269	2,077	4,425	4,477
Shellac.....cs.	3,769	3,618	97,278	99,025	39,767	42,977
Turmeric.....tons	36	45	498	365	549	384
Wax—						
Bees.....pkgs.	356	294	2,750	2,206	7,160	6,209
Vegetable....."	706	107	589	510	861	£13

\* Stocks of essential oils at Smith's Wharf and Brewer's Quay are not included.  
† Corrected.



### Memoranda for Correspondents.

All communications must be accompanied by the names and addresses of the writers, otherwise they cannot be dealt with. Queries by subscribers on dispensing, legal, and miscellaneous subjects connected with the business are replied to in these columns if they are considered to be of general interest. Letters submitted for publication (if suitable) should be written on one side of the paper only. Their publication in "The Chemist and Druggist" does not imply Editorial agreement with the opinions expressed.

### Irish Society's Annual Meeting.

SIR,—Mr. Moffitt's suggestion should commend itself to all members in the South of Ireland, as I have long looked on the guinea subscription as 11s. thrown away—the other 10s. will bring the *C. & D.* weekly; and what the Society does for its members' money is a puzzle to most of us. Certainly here we derive no benefits. If the annual meeting was here, say once in three years, it would do a good deal to bring Munster chemists together; and in the near future we may need to have our allied forces marshalled to meet any onslaughts on our interests which may be contemplated in the extension of the Insurance Act to Ireland. Mr. McKnight is right in suggesting Belfast as an alternative for the Ulster members. I should like to see the Irish Council take this matter up seriously.

Yours faithfully,

Cork.

J. W. HARVEY.

[Correspondents forget the fact that the Society performs statutory duties which involve the appointment of officers, use of premises, and other business arrangements which are advantageous to the members.—EDITOR, *C. & D.*]

### An Explanation.

Mr. Aurelio de Pasquale, proprietor of Santi de Pasquale & Figli's "Red Anchor" brand of essential oils, Messina, writing in regard to the announcement in THE CHEMIST AND DRUGGIST, November 16, about Messrs. Herbert Hymans & Co.'s new agency for lemon and other oils, says that the statement made to the effect that the firm Santi de Pasquale & Figli had been wiped out of existence by the Messina earthquake is incorrect, in so far as the firm and its business are concerned. We may recall the fact, related by us at the time (*C. & D.*, February 13, 1909), that Mr. Silvestro de Pasquale and his brother, Mr. Aurelio de Pasquale, survived the catastrophe, along with a child of the latter, other thirteen members of the family having met their death in the catastrophe. In a circular which the two brothers issued then they stated *inter alia*:

"A mountain of stones is all that remains of our two city blocks; not a piece of wall is to be seen; the devastation could not have been more complete and absolute! We have our Peel Factory at Tremestieri left."

Steps were at once taken to maintain the continuity of the business, Mr. Arthur Whittaker, Newton Heath, Manchester, the firm's sole agent here, conserving the British connection, and both have been careful in protecting the brand of the "Red Anchor" used by Santi de Pasquale & Figli for 150 years. As to this Mr. de Pasquale writes:

"There have been and there are no other proprietors of the Red Anchor brand of oils but the two surviving partners of Santi de Pasquale & Figli's firm—i.e., my brother and myself."

At present Mr. de Pasquale is carrying on business in temporary premises, but before the next bergamot and lemon season his new factory at Pistunina and warehouses at Messina will be in use. In justice to him we gladly give publicity to these facts, and Messrs. Herbert Hymans & Co. associate themselves with us in this statement; they regret especially that they were misled with respect to the matters referred to in the note of November 16, and if the note conveyed to anyone the idea that they had obtained the agency already held by Mr. Whittaker of Santi de Pasquale & Figli's "Red Anchor" brand of

essential oils, they desire that the idea should be contradicted. Messrs. Hymans also inform us that the proposed use of "Red Anchor" brand did not originate with them, but with their Messina principals, who were themselves acting under a misapprehension.

#### County of Middlesex Association of Pharmacists.

SIR,—May I, through the medium of your columns, make an appeal to pharmacists resident in the County of Middlesex? I have endeavoured (with the help of the Pharmaceutical Society, which I must gratefully acknowledge) to address every registered pharmacist during the past week, but it is quite possible that some may have been overlooked. If, therefore, any chemist in the county—whether principal or assistant—has not received a letter from me with a form which he was requested to fill up and return, will he kindly communicate with me, and I will do my best to rectify the omission?

Yours faithfully,

ARTHUR E. BAILEY.

Secretary, County of Middlesex Pharmacists' Association.

64 High Street, Highgate, N.

#### A Disclaimer.

SIR,—An anonymous individual has written to me regarding an announcement which appears in your current issue from the company with which I was for many years connected, respecting the imitation of their emulsion labels, etc., the insinuation, my correspondent would suggest, evidently being that my firm is alluded to. I do not think this conclusion could have been arrived at by anyone else, so I merely add that nothing could be further from the truth—not only our emulsion but all others of our labels are as different and distinct in design and type as the printer's art can make them; moreover, the labels used by my firm are on violet-coloured paper, quite unique in the drug-trade, so far as I am aware.

Yours faithfully,

H. E. STEVENSON.

122 Great Suffolk Street, S.E., December 2.

#### National Insurance Dispensing.

SIR,—If "Xrayser II." will again read my letter he will see that the 5 per cent. in connection with the probable number of prescriptions, in the light of the calculations which follow, cannot possibly be analogous to the 75 per cent. quoted from Mr. Jackson's letter. The figures refer to two totally distinct matters. It does not concern us whether one patient presents 100 prescriptions in the course of the year or whether 100 patients present one prescription each in that time; the result is the same as far as we are concerned. What we do want to know is the probable percentage of prescriptions with reference to the total number of insured that we will be called upon to dispense. In the light of that information we shall be more nearly in a position to state whether 2s. per member is sufficient to meet our bills. It was with the hope of elucidating that point that I wrote. The figure I quoted was given to me by a doctor who has had a very wide club practice. Perhaps it is above the average; I do not know. There are surely some chemists somewhere who have club dispensing to do, and who have the bump of curiosity sufficiently developed that they have kept some kind of record of the prescriptions dispensed. Are they afraid to see the figures in cold print?

With regard to the average price we might reasonably expect to get for prescriptions, "Xrayser II." will find that I asked your readers to assume that a flat rate of 6d. per scrip would be a fair price. Evidently, then, the absurdity could not possibly refer to the price, but to the number of patients such a figure would allow to be treated. An absurd premise must necessarily result in absurd conclusions. On the basis of 6d. per scrip it works out, roughly, to one scrip per day for every hundred of the insured. Does "Xrayser II." think that a reasonable expectation? The figures he has quoted in order to refute the wrong conclusions which he has drawn from my own, are, however, very helpful in the discussion and go far to prove that the figure assumed—viz., 6d. per scrip—was not very wide of the mark.

The question then resolves itself into this: Which is the correct figure, the 5 per cent. assumed in the first part of the problem, or the 1 per cent. arrived at by calculation in the second part? The solution of that will help to clear a good deal of the uncertainty which at present surrounds this perplexing problem. It may be that "truth" lies somewhere between the two points, in which case the remuneration would be something more than 1½d. and less than 6d. per scrip. It will be for each individual chemist then to determine whether he can honestly do what is asked of him at the price. I here repeat that we should, as a body, resist any attempt to experiment at our own expense. Let those who call the tune pay the piper.

Barnet.

J. T. SAMBROOK, Ph.C.

The following verses come to us from Aberdeen:

Scots, wha pharmacy hae made,  
Scots, wha hae been aften bled,  
Welcome to Insurance trade,  
Or to misery!

Comes the day and comes the hour:  
See the clam'ring doctors' power;  
See societies that glower,  
Greedy for the fee!

But we're marshalled for the fray,  
Pannelled to a man, they say,  
Ready a' frae tap to tae,  
Glorious Committee!

'Though we made the unco gley  
That the Scottish Com. wad pay  
Oor partic'lar little way  
O' a tariffee.

Yet, by George frae the Welsh hills!  
We're the boys to mak' the pills;  
We'll dispense for a' the ills  
For the tupp'ny fee!

Never mind the tariff sma',  
Auchteenpence is ours by law  
—When we mak' it; save us a',  
Wha said bankruptcy?

SIR,—I am pleased to say I can do without State dispensing, but have sympathy for those who will have to work for starvation wages. My pity is wasted on those who set no value on their own services, not is it any use trying to instil the business instinct into those who are saturated with "the principle" and prefer the shadow to the substance. "Optimist" is happy in the prospect of what the Pharmaceutical Standing Committee are going to do, and has my best wishes for the realisation of his dream. I know little of its working, so cannot help this department. No one has yet given me a reason why 1s. 6d. is adequate, and I know of no chemist who recommends acceptance except to compete with the companies and doctors who are said to be anxious to keep or obtain possession. I see no fun in calculating 33 per cent. on halfpennyworths of drugs. This kind of pharmacy is worse than penny retail trade in ready-mades. If you, Mr. Editor, believe that only 25 per cent. of insured people will want physic, then you must plump for "per capita," because the gamble has attractions for speculative people and they will get a run for their money. On a similar basis, and allowing that the doctors give on the average five visits per patient, the dispenser will take less than 75% per 1,000 by the tariff system, and I would not give much for his chance of getting more if he exceeds his contract. Dispensing grains and booking at fractions of one penny per ingredient cannot raise our status or yield much profit, but will provide physical, mental, and mathematical exercise for the dispenser who has spare time. I regret to see the figures I presented being misconstrued. My critics are mixing percentages, averages, and visits. Some of the numbers were not given as opinions, but to draw deductions from; others were quotations from the medical journals. Set aside these trade estimates for the moment, and let us try to get information from an outsider's point of view. Suppose 1,000 people of both sexes, all



ages, some good lives, others bad, numbers suffering from dyspepsia, rheumatic, heart, liver, kidney trouble, or chronic diseases. These 1,000 poor people have suddenly been taxed 4d. per week and therefore have 4d. less to spend personally. Hitherto they have spent their money with the chemist or doctor, in future they are promised medical attendance and drugs free. How many out of the 1,000 will go for twelve months without wanting physic? Then calculate how many will demand a return for their money. I think a much larger percentage than ever applied to clubs. In the rush for the honour of supplying 6 oz. of aq. menth. pip. for  $\frac{1}{2}$ d. the optimists have overlooked the other little items—crêpe bandages, lints, dressings, and appliances—and it may be news to some that in the past the doctors have passed their expensive patients on to the hospitals. In future hospitals must refuse outdoor patients who are insured and provided for by the State. The chemist is entitled to a fixed salary for his services, the same as the doctor, and to be paid a fair price for his drugs in small quantities. He will not get it except he boldly proves his claim. I have been asked the following questions, and being unable to reply, perhaps the information will be forthcoming: By whom were the Pharmaceutical Standing Committee nominated or elected? What are they doing now? Why are negotiations kept secret? Is our case so bad that it will not bear open discussion?

Yours truly,

Hereford, December 2.

J. J. JACKSON.

[The nucleus (General Provisional Committee) of the Pharmaceutical Standing Committee was appointed by the Pharmaceutical Council in February (see *C. & D.*, February 10, index folio 232). The English committee was formed at a public meeting in London, reported in the *C. & D.*, May 11; the Scottish at a public meeting held in Edinburgh, and reported in the *C. & D.*, March 30; and the first meeting of the Welsh committee was held on May 30 (*C. & D.*, June 8, index folio 837), the members of Chemists' Associations having been nominated the representatives (*C. & D.*, May 11, index folio 675). The committees may answer the other questions.—EDITOR, *C. & D.*]

### Subscribers' Symposium.

For questions, answers, incidents, and interchange of opinions among "C. & D." readers.

#### Appreciations.

"My mother (aged ninety) says I think more of the *C. & D.* than I do of the Bible."—(121/19.)

"I may say I couldn't be without the *C. & D.* if the subscription were five times what it is. I heartily endorse your remark 'that the subscription would be returned a hundred-fold in the twelve months.'"—*T. A. J.* (8/112).

#### Advertising Ideas.

Here is one I used with a soap window-display, improved with an elegant female figure and printed on a nice card:

My face is clean,  
As may be seen,  
With using soap that's pure;  
Don't turn aside,  
But go inside  
And buy a tidy bar.

*J. D. Carse.*

#### A Charm.

I received the subjoined "charm" from a customer to-day to supply the powder used, which, of course, is dragon's-blood. It is really wonderful that in these days of advanced education there is so much superstition still.—*E. Griffiths* (Pontardawe).

"It is not this stuff I wish to burn,  
But my lover's heart I wish to turn.  
Neither let him rest or sleep  
Until he comes to me and speak."

(Lover's name.)

#### The Pharmacist.

A man of minims, scruples, drachms, and grains,  
Who thinks in fractions with a hampered mind;  
Giving his soul and strength that he may find  
The wherewithal to fortify his brains;  
He in return receives for all his pains  
The cheap contempt of other humankind,  
With frigid isolation, too, combined:

The law's attention all his life-blood drains.  
The doctor's handmaid—bah! that mighty god,  
Treats with disdain the humble man of drugs,  
Holding him lower than his own footstool.  
The chemist has no status on the sod,  
Not good enough to fraternise with thugs,  
A real nonentity—I almost said a fool.  
*A. J. Freeland* (Kibworth).

### Miscellaneous Inquiries.

We do not as a rule repeat information which has been given in this section during the past twelve months, as it occupies space which can be more profitably utilised for other information. In such cases the numbers are mentioned, and if querists cannot refer to these they may obtain the numbers from the "C. & D." Office at the published prices, usually 6d.

We do not undertake to analyse and report upon proprietary articles, and when samples are sent particulars should be supplied to us as to their origin, what they are, what they are used for and how.

*A. A. B.* (113/17).—LEATHER-DRESSING.—We are informed that it is not practicable to tell with certainty the processes that have been employed in dressing and dyeing a given sample of leather. There are, for instance, numerous dyes which might give the particular colour of the sample you send, and the variety of greases, both vegetable and mineral, is quite as great.

*J. B.* (119/29).—TOOTH-EXTRACTION BOOKS.—An article on dentistry was published in *The Chemists' and Druggists' Diary*, 1910. You will also find in the *C. & D.*, September 21, index folio 494, a note on the chief books on dentistry which one should study who desires to render himself proficient in the science of dentistry.

*W. W. T.* (115/59).—WORMS ON GOLF-GROUND.—See *C. & D.*, May 25, 1912, index folio 793, and August 20, 1910, index folio 329.

*J. M.* (121/13).—FRENCH POLISHING.—It is raw linseed oil that is employed on the inner wad of the polish applicator. Mahogany-stain is managed with Bismark brown darkened by adding a little aniline-black. The proportion of Bismark brown required is about  $\frac{1}{2}$  oz. to a gallon of spirit.

*Mac* (121/32).—RAT-POISON.—A recipe for a barium and squill rat-poison was last given in the *C. & D.*, March 4, 1911, index folio 338.

*C. M. H.* (113/39).—ETHIOP'S MINERAL or hydrargyri sulphuretum cum sulphure was last official in the P.L. 1836. It is made by rubbing together equal parts of mercury and sulphur until the mercury is extinguished. It is still sometimes employed as an alternative in veterinary practice in doses of about 30 grains.

*J. N. N. & Co.* (124/9).—MISCIBLE LIQUID EXTRACT OF COCA.—Liquid extract of coca made by the process of the British Pharmacopœia is freed from wax by evaporating to half its bulk, pouring off the clear portion, washing the residue with a small quantity of water, and making up to the original bulk with 60-per-cent. alcohol. The amount of water required for washing the residue is about a tenth of the original bulk of extract upon which the operation is being carried out.

*Ships* (120/70).—ANTI-FOULING COMPOSITIONS FOR SHIPS' BOTTOMS.—See *C. & D.*, December 2, 1911, index folio 833, and January 6, 1912, index folio 34.

*Outis* (120/2).—(1) Benzine will remove sweat-stains from the leather bands of hats. (2) Tea-stains are removed from linen by means of solution of chlorinated lime.

*G. P.* (124/55).—FLASH OR LIGHTNING PAPER is made by soaking paper in a mixture of nitric and sulphuric acids, as in the B.P. process for the manufacture of pyroxylin. Tissue-paper is generally employed.

*L. & Co.* (135/32).—GLASS ETCHING.—The semi-transparent variety of ground glass is made, we understand, by a double etching process. The glass is first etched with diluted hydrofluoric acid, and this is followed by a bath of the strong acid.

*T. I. H.* (136/1).—We are not acquainted with the proprietary tree-washes to which you refer. *The Chemists' and Druggists' Diary*, 1910, contained a large collection of agricultural and horticultural recipes, to which you should refer.

*C. M. B.* (132/46).—We have no recipe of the kind you require.

*Aspirin* (126/54).—LIQ. AMMON. ACET. CONC. (1-7).—We last gave a formula for this in the *C. & D.*, April 1, 1911, index folio 494. You must excuse us from working out the formula you send.

*Assistant* (130/32).—BOOKS ON MEDICINE AND SURGERY.—“Diseases and Remedies” (*C. & D. Office*, 3s.) and Warrick and Tunstall’s “First-aid to the Injured and Sick” (Wright, 1s.) are books that will answer your requirements.

*J. G.* (118/35).—BOOKS ON PHOTOGRAPHIC ENGRAVING.—Verfasser’s “The Half-Tone Process” (Iliffe, 7s. 6d.); Gable’s “Line-Photo Engraving” (Lund, 7s. 6d.).

*W. C. P.* (128/7).—MODELLING COMPOSITION.—You must conduct a few experiments with the formula to obtain the consistence you desire. The ingredients are correctly given.

*J. W. T.* (279/30).—ESSENCE OF GINGERIN.—Nine grains of gingerin is considered as the equivalent of 1 oz. of tr. zingib. fort. B.P. 1885.

*A. W. S.* (126/55).—WINDOW-DRESSING.—Mason’s “Window-displays for Pharmacists” (Swift, 19 and 20 Great Pulteney Street, London, W., 8s) is a good book on the subject. We are not acquainted with a journal devoted to window-dressing.

*P. M.* (126/61).—ABBREVIATIONS USED IN PRESCRIPTIONS.—There is an appendix to “The Art of Dispensing” (*C. & D. Office*, 6s.), in which are given all the abbreviations generally met with in prescriptions.

*Plumbi* (270/30).—(1) LIQUID METAL-POLISH.—See *C. & D.*, June 1, index folio 826. (2) There were three errors, of a minor character, in the solution you sent in to the Prescription Problem.

*C. W.* (127/43).—FOOTMAN’S HAIR-POWDER.—The plain hair-powder is powdered starch, but violet-powder is the most employed. The hair is dressed with oil, and then dusted with the powder, usually, we are told, from a flour-dredger.

*R. E. E.* (128/6).—ORIGIN OF CARBOYS AS TRADE-SIGNS.—The modern show-carboy is the successor of the bottles of medicine and tape-worms which found a place in the old apothecaries’ shop-windows. Large carboys of clear glass have been produced only within modern times, so that no great antiquity can be claimed for the present custom.

*G. K.* (259/6).—LOTIO HYDRARGYRI BINIODIDI.—There is no standard formula for this. You will find six recipes in *The Chemists’ and Druggists’ Diary*, 1912, p. 217.

*Lignum* (130/35).—TRUSS-FITTING.—This subject was fully dealt with in an article in the *C. & D.*, January 31, 1903, p. 147. Wood’s “Application of Trusses to Herniæ” (Matthews Bros., 10 New Oxford Street, London, W.C., 1s.) and Eccles’s “Hernia: Its Etiology, Symptoms, and Treatment” (Baillière, 7s. 6d.) are useful books on the subject.

*H. A. G.* (15/40).—In the case of the girl with pimples on her face apply sulphur ointment coloured with a trace of vermilion, and give the following mixture:

Ferri sulphat.	...	...	5ss.
Magnes. sulphat.	...	...	3ss.
Acid. sulph. dil.	...	...	3i ss.
Inf. gent. co. ad	...	...	3vj.—M.

A dessertspoonful in a glass of water at 12 noon and 4 P.M.

The young man may have the same ointment and a teaspoonful of Harrogate salts every morning. Hyd. c. creta gr.  $\frac{1}{2}$  thrice a day is better than calomel for the two-months child which has diarrhoea. The other cases we cannot advise upon.

*Wormwood* (113/63).—WORMWOOD-EXTRACT as a local application in veterinary practice is probably employed with a view of preventing the animal biting its body. The extract is intensely bitter.

*Stalma* (136/35).—The steaming of the windows in the case you mention is doubtless due to lack of ventilation, about which a shopfitter should be consulted.

*J. W. H.* (122/23).—TYPEWRITER-PADS.—These are saturated with a glycerin and water solution of methyl-violet. The basis is saturated with dye; there must not be any undissolved methyl-violet. The pads are then heated with the solution, drained, and wiped free of excess of ink. The process is a very dirty one, and you will be well advised to purchase the pads ready made.

*M. H.* (132/47).—EMIGRATION PROSPECTS.—It is impossible to say definitely what the result will be in any ease of

emigration. Generally speaking, those persons who have “grit” would do as well in a fresh field as at home, with possibly the advantage that the change would stimulate enterprise. Your experience as a registered druggist also places you at an advantage over one who has not mastered any business.

*Anxious* (116/31).—RENOVATING FURS.—The process of clearing and renovating furs consists in rubbing the fur with (1) hot bran, (2) a paste of magnesium carbonate and benzine, or (3) equal parts of dry flour and salt, and finishing by dressing with rectified spirit, using a clothes brush for the purpose, taking care to move it in the direction which the fur takes.

*J. E. C.* (122/44).—PRICE INQUIRY.—If large quantities of calcium chloride are dealt in, the profit should be at the wholesale rate—i.e., 10 to 15 per cent.

*C. W. P.* (280/34).—HEAD SOAP.—Some experiments on the following lines should enable you to fix on a good recipe for a soap for cleansing children’s heads:

Lard	...	...	100 grams
Yellow beeswax	...	...	19.2 grams
Pure caustic soda	...	...	15 grams
Alcohol (90-per-cent.)	...	...	60 c.c.
Saponin	...	...	1.8 gram
Camphor	...	...	a sufficiency

Melt the lard and the wax together; dissolve the soda in the smallest possible quantity of water, and mix it with the alcohol; let the alcoholic soda stand on a water-bath in a vessel with a funnel in the neck until it is of the same temperature as the fat, then mix, stir in the medicaments, and pour into moulds. A simpler method is to medicate ready-made soap, a drying-apparatus and milling-machine being required for this.

*C. T. B.* (137/17).—WATERPROOFING BRICKS.—The best method is that in which successive coats are given of calcium chloride and sodium silicate (water-glass). The calcium silicate which is formed is impermeable to water. Some builders employ lime-wash containing alum, or simply melted pitch, and there are various “marine glues” used for the purpose. The last named are compounds of caoutchouc, rosin, asphalt, and turpentine.

*C. E. H.* (140/48).—BOOKS ON MILK-ANALYSIS.—Wanklyn’s “Milk Analysis” (Kegan Paul, 5s.); Barthel’s “Methods Used in the Examination of Milk and Dairy Products” (Macmillan, 7s. 6d.); Ross’s “Dairy Laboratory Guide” (Kegan Paul, 2s. 6d.); Richmond’s “Dairy Chemistry” (Griffin, 16s.); Walker-Tisdale’s “Milk-testing: A Simple Practical Handbook for Dairy Farmers, etc.” (“Dairy World,” 1s.). See also article in *The Chemists’ and Druggists’ Diary*, 1908, p. 212.

## Retrospect of Fifty Years Ago.

Reprinted from “The Chemist and Druggist,” Dec. 15, 1862.

### Essence of Mirbane.

Many of our readers doubtless are acquainted with certain bottles labelled “Benzene Collas,” and are perhaps not aware that the latter word is not part of the designation of the contained liquid, but the name of its manufacturer. Benzene—or, as we call it, benzole—is the starting-point in the preparation of nearly all the new red and violet aniline dyes. Discovered in oil-gas by Faraday in 1825, its history was further elaborated when Mitscherlich, a few years later, obtained it from benzoic acid; afterwards Hofmann detected it in coal-naphtha, whence Mansfield isolated it. Nitro-benzole, derived directly from benzole by the action of nitric acid, was discovered by Mitscherlich as far back as 1835; nevertheless, M. Collas did not hesitate, by means of a conspicuous placard in his case at the International Exhibition, to claim this distinction. He there states that he described his discovery in a sealed packet, deposited at the French Academy in October 1848—just thirteen years too late to secure priority! But we do not scruple to say that his specimen of nitro-benzole, judging from its appearance, was the best of the numerous samples in the Exhibition. The excessive paleness of its straw-yellow colour would have led one to conclude it to be merely an imitative preparation, had not its high refractive and dispersive power, and its considerable density, as shown by the way in which the few drops of water present floated upon the surface, negatived such a supposition. Nitro-benzole is used in perfumery as essence of mirbane, chiefly for imparting to the cheaper kinds of scented soap an odour like that of essential oil of almonds.



## GUARANTEED (LIKE "CONDY'S FLUID") NOT TO CONTAIN PERMANGANATE OF POTASH (poison).

CONDY & MITCHELL, Ltd., will take Legal Proceedings against anyone supplying Permanganate of Potash Crystals as and for "Condy's Crystals."

# "Condy's Crystals"

"Condy's Crystals" are put up in bottles to Retail at 1/- each, and are stocked by all the leading Wholesale Houses.

**Proprietors: CONDY AND MITCHELL, LIMITED,**  
*Condy's Fluid Works, 65 GOSWELL RD., LONDON.*

## Why Bishop's Natural Fruit Saline WILL BRING YOU TRADE.



A well-known Branded Article which shows a GOOD PROFIT and REPAYS pushing.

**BISHOP'S NATURAL FRUIT SALINE**  
FULFILS THESE CONDITIONS.

**RETAIL PRICE, 1/6** Per Bottle, **P.A.T.A.**

Wholesale Price, 12/- per dozen, subject.

### An Artistic Showcard

for Window Display and attractive Circulars for distribution are sent with each order of one dozen or upwards.



**ALFRED BISHOP, LIMITED, 48 Spelman St., London, N.E.**

# BRUNNER, MOND & Co.'s

Alkali  
Products.



Crescent  
Brand.

**These products are made by the Ammonia Process, and are distinguished from others by their great purity.**

**Bicarbonate  
of  
Soda.**

**This Bicarbonate answers all the requirements of the British Pharmacopœia.** It is a pure, refined, and recrystallised salt, particularly free from metals or any base other than soda. This sodium bicarbonate is specially suitable for the preparation of granular effervescent preparations and salines, seidlitz powders and baking powders, and is well adapted for other medicinal and domestic purposes. It is the purest and cheapest sodium bicarbonate made.

**Concentrated  
Crystal  
Soda.**

This sodium compound (sodium sesquicarbonate) is a variety of carbonate of soda in small silky crystals, containing much less water than ordinary washing soda; 1 lb. of it does the work of 2 lbs. of washing soda. Concentrated crystal soda is excellently suited for chemists' trade; they can make a speciality of it, and it is also suited for making water-softeners, brush powders, hair-wash powders, and the like.

**Pure Alkali.**  
58 Degrees.

A dry, white powder: dissolves quickly and easily in water, making an excellent detergent for use by printers, bleachers, dyers, and for bottle washing. Is nearly equal to 99 per cent. carbonate of soda; is much used by glass, paper, and soap makers. The best alkali for soap powders and washing powders.

## Pure Soda Crystals Caustic Soda.

Manufactured from pure Carbonate of Soda, and supplied of all degrees of strength.

## Bleaching Powder. Carbonate of Ammonia (Lump and Powder).

Retailers can obtain these products through any Wholesale house by specifying Brunner, Mond & Co.'s "Crescent" Brand. The Manufacturers supply wholesale quantities only, and will quote on application to

**BRUNNER MOND & CO., LIMITED, NORTHWICH, CHESHIRE.**



:: HOWARDS' ::  
QUININE, SODII BICARB,  
AETHERS, BISMUTH SALTS,  
CAMPBOR, MERCURIALS,  
EPSOMS, GLAUBERS, SEIDLITZ,  
IODIDES, BROMIDES, TABLETS,  
ETC., ARE THE HIGH-WATER-  
MARK OF EXCELLENCY IN  
:: :: MODERN PHARMACY :: ::

HOWARDS & SONS, LTD., STRATFORD AND ILFORD, LONDON.

**SOUTH AFRICA, from Cape Town to the Zambesi.**

# LENNON LIMITED

**Established in  
SOUTH AFRICA**

at

CAPE COLONY	TRANSVAAL
Cape Town	Johannesburg
Port Elizabeth	Fordsburg
East London	Germiston
Kimberley	Doornfontein
Graaff Reinet	NATAL
Aliwal North	Durban
Mafeking	ORANGE RIVER
Oudtshoorn	COLONY
Wynberg	Bloemfontein
Paarl	RHODESIA
Stellenbosch	Bulawayo
	Salisbury
	Gatooma

*Wholesale Druggists,  
Manufacturing Chemists,  
Druggists' Sundriesmen.*

DEALERS IN

Surgical Instruments, Dental, Optical, and Photographic  
Goods, Perfumery, and Assay and Mining Requisites.

Contractors to the Governments of  
CAPE COLONY, NATAL, RHODESIA, TRANSVAAL,  
and ORANGE RIVER COLONY.

London Office, Warehouse, and Factory:

**12-14 LAFONE STREET, TOWER BRIDGE, S.E.****Unrivalled position for the introduction and handling of Specialities.**

## Good-looking Corks

Let your dispensing bottles be corked in keeping  
with the reputation of your business.

A selection of sound, good-looking corks for  
Chemists will be sent free of charge by writing  
the manufacturers—corks, too, that will never  
prove troublesome in use.

Besides, they cost no more, after all. Write for  
free samples without delay.

**N. W. MITCHELL & SONS, Ltd.,**  
Bouchon Works, Limehouse, E.

**H. E. KERSHAW, Ltd.**

131 Curtain Road, LONDON, E.C.

IMPORTERS OF

**SHELLAC**

Of all kinds.

Manufacturers of

**WHITE SHELLAC**

## Radiozone (Oxygen) Baths

FOR the administration of Oxygen in a  
concentrated and highly nascent  
condition. Specially valuable in cardiac  
cases, with high arterial tension, in  
nervous and vaso-motor disturbances,  
insomnia, and auto-intoxication.

Patentees and Sole Manufacturers:

**WRIGHT & CO., Silverlands, Buxton, England.**  
LONDON AGENTS: RADIUM, LTD., 93 MORTIMER ST., LONDON.

Prices and Literature on Application.

We are Large Producers of

**BENZOATE OF SODA**

AND

**BENZOIC ACID**

Buyers please apply for particulars to  
No. 209/10, Office of this Paper.



THE LINE THAT SELLS!

# BRONNLEY'S BATHODOMES

Registered).



VERBENA.  
LAVENDER.  
CARNATION.  
SWEET PEA.

ROSE OF YORK.  
JUNE  
GERANIUM.  
INDIAN SANTAL.

48/- Per Gross Net. Packed 6 in a Box.

Of your Wholesaler,  
or direct from :: ::

**H. BRONNLEY & CO., Ltd.,**  
Bronnley's Corner, Acton Vale, London, W.

## Chloroform Pure B.P.

In Two-ounce Sealed  
Amber-coloured Glass Tubes



In accordance with the newly issued  
regulations of the Board of Trade  
under Merchant Shipping Act.

**EACH TUBE IN CARDBOARD CASE.**

QUOTATIONS ON APPLICATION.

**J. F. Macfarlan & Co.,**

Manufacturing Chemists, EDINBURGH and LONDON.

**EMETINE HYDROCHLORID.** (Whiffen's).**EMETINE HYDROBROMID.** (Whiffen's).*For Hypodermic Injection.**The New Remedy in Amœbic disease.—Vide British Medical Journal, Aug. 24, 1912, pp. 405-408.*

We have manufactured these preparations during the past fifteen years, and they may be obtained by ordering Whiffen's Brand, from all Chemists and Wholesale Drug Houses in the United Kingdom and Abroad.

WHIFFEN &amp; SONS, LIMITED, BATTERSEA, LONDON, S.W.

Telephone—254 and 255 BATTERSEA.

**BEATSON, CLARK & CO., L<sup>TD.</sup>**

ESTABLISHED 1751.

HIGH CLASS DISPENSING BOTTLES,

**MEDICAL GLASS MANUFACTURERS,**

VIALS, POISONS, &amp;c. GRAD. MEASURES,

RECESS AND GOLD LABELLED SHOP ROUNDS. **ROTHERHAM, YORKS.****NEPENTHE.****THE SAFEST AND BEST PREPARATION OF OPIUM.**

In 2-oz., 4-oz., 8-oz., and 16-oz. bottles.

**GLYCEROLE OF NEPENTHE** (eight times the single strength) for hypodermic injection. In 1 oz. Bottles.**NEPENTHE SUPPOSITORIES** in four strengths. Equivalent to  $\frac{1}{8}$ ,  $\frac{1}{4}$ ,  $\frac{1}{2}$ , and 1 grain Morphia.

The word "NEPENTHE" is registered under the Trade Marks Act, and is the exclusive property of Ferris & Company, Ltd. We have from time to time been compelled to obtain injunctions in the Courts by which Defendants were perpetually restrained from dispensing, selling, or supplying under the name of "NEPENTHE," or any colourable imitation thereof any medical preparation not prepared by us, and from in any manner infringing our Trade Mark "NEPENTHE" (No. 464), and were ordered to pay the costs of the actions.

The Trade are respectfully warned against any infringement of our Trade Mark "NEPENTHE," or the use of any name so nearly resembling it as to be calculated to deceive, and also against dispensing any but "Ferris & Co.'s" preparation when "NEPENTHE" is ordered in a prescription.

**FERRIS & CO., LTD., BRISTOL.****APONAL "ZIMMER'S,"** HYPNOTIC, in powder and 15-grain tablets.**EUQUININE, "ZIMMER'S,"** the well-known "tasteless quinine," powder and tablets.**VALIDOL, "ZIMMER'S,"** antihysteria, antineurasthenic, restorative, stomachic, seasickness remedy. Liquid, tablets, pearls, &c.**ALLOSAN, "ZIMMER'S,"** powder and tablets, antigonorrhœic.**ESTORAL, "ZIMMER'S,"** powder; Estoral Snuff; boxes with glass tube. Rapid cure of common cold, &c.**HYDROQUININE HYDROCHLOR, "ZIMMER'S,"** new antimalaric for hypodermic use. Soluble in half its weight of water. Powder or ampouls of  $7\frac{1}{2}$  grains, ready for use.**Aristochin, Bromvalidol Tablets, Dymal, Eunatrol, Eustenin, Lygosin-sodium, Rheumatin, Saloquinine, Urosin.****Stocked by Sole Agents for U.K.: WIDENMANN, BROICHER & CO., 1 Fenchurch Av., LONDON, E.C.**

WRITE FOR PRICE LIST AND PARTICULARS.

**NOTICE.****MILK EMULSION.**

THE name "Milk Emulsion" is our Trade Mark for an Emulsion of Cod Liver Oil with Hypophosphites, and designates specifically that it is our preparation. Our Emulsion is known in commerce as "Milk Emulsion," and when "Milk Emulsion" is ordered, people expect to receive FAULDING'S MILK EMULSION. We hereby give notice that no other persons can use the same name on their labels, wrappers or advertisements without infringing our legal rights.

"Milk Emulsion" is sold in Bottles only, Wholesale, by—

**F. H. FAULDING & CO.**

54 Great Tower Street, London, E.C.  
54 King William Street, Adelaide, South Australia.  
341-3 Murray Street, Perth, Western Australia.  
16 O'Connell Street, Sydney, New South Wales.

**SAL HEPATICA.**

PUT UP FOR EXPORT.

Small size, 3 oz. bottle, in case.  
Medium " 7 " " "  
Large " 16 " " "

OBTAINABLE IN LONDON FROM

Thos. Christy & Co., 4-12 Old Swan Lane,  
Upper Thames Street, E.C.

The American Drug Stores, 24 Orange Street,  
Haymarket, London, W.C.

Burgoyne, Burbidges & Co., 16 Coleman Street,  
E.C.

F. Newbery & Sons, Ltd., 27 Charterhouse  
Square, E.C.

Roberts & Co., 76 New Bond Street, W.





# HUBBUCK'S PURE OXIDE OF ZINC.

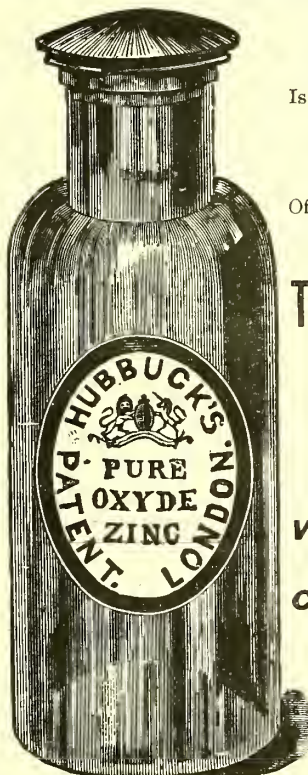
Sold by the following Wholesale Druggists in Boxes of 7 lbs. and 14 lbs. stamped by the Manufacturers; also in 1-lb. Boxes and 1-lb. Glass Bottles:—

Allen & Hanbury's (Lim.).  
Baiss Bros. & Stevenson (Lim.)  
Barron, Harveys & Co.  
Bell, Jno., & Co.  
Bleasdale (Lim.) (Lim.).  
Boots' Pure Drug Co.  
Burgoyne, Burbidge & Butler & Crispe (Co.)  
Clay, Dod & Co.  
Cockburn & Co. (Lim.).  
Corbyn, Stacey & Co.  
Dakin Brothers.  
Davey Hill & Co.  
Duncan, Flockhart & Co.  
Evans, Gadd & Co.  
Evans Sons Lescher & Webb (Lim.).  
Ferris & Co.  
Gale & Co.  
Glasgow Apothecaries' Co.  
Glasgow New Apothecaries' Co.  
Goodall, Backhouse & Co.  
Harker, Stags & Morgan.  
Harkness, Beaumont & Co.  
Hatrack, W. & R., & Co.  
Heaton, Squire & Francis.

Hirst, Brooke & Hirst.  
Hodgkinson, Prestons & King  
Hodgkinsons, Clarke & Ward.  
Horner & Sons.  
Huskisson, H. O., & Co.  
Inman's Stores (of Edinburgh).  
Ismay, John, & Sons.  
Lofthouse & Saltmer.  
Oldfield, Pattinson & Co.  
Pinkerton, Gibson & Co.  
Raines, Clark & Co.  
Raines & Co.  
Rankin & Borland.  
Siversides, R. B. G.  
Southall Bros. & Barclay.  
Sumner, R. & Co.  
Taylor, James.  
Thompson, John (Lim.).  
Willows, Francis, Butler & Thompson.  
Woolley, Jas., Sons & Co. (Lim.).  
Wright, Layman & Umney (Lim.).  
Wyleys (Lim.).

Barry, E. J., New York.  
Carter, Carter & Kilham, Boston.  
Finlay & Branswig, New Orleans.  
Langley & Michaels, San Francisco.  
Lehn & Fink, New York.

McKesson & Robbins, New York.  
Muth Brothers & Co., Baltimore.  
Roller & Shoemaker, Philadelphia.  
Schieffelin, W. H., & Co., New York.  
Shoemaker, R. & Co., Philadelphia.



## HUBBUCK'S PURE OXIDE

Is made by Sublimation, and is Warranted to contain upwards of

**99 PER CENT.**

Of Pure Oxide; in fact the impurities are not traceable.

**THOS. HUBBUCK & SON,**

(Established 1765). LTD.

**24 LIME STREET,  
LONDON, E.C.**

Manufacturers of—

**White Lead, White Zinc,  
Paints, Oils,  
Colours, Varnishes, &c.**

AUSTRALIAN OFFICE—

**34 QUEEN STREET, MELBOURNE.**

The Manufacturers supply their Pure Oxide Wholesale only, in quantities of not less than 2 cwt.

# COD JERVELL & CO., Ltd. (Late Otto S. Jervell) AALESUND, NORWAY. LIVER

**COD LIVER OIL  
MANUFACTURERS  
& WHOLESALE  
EXPORTERS.**

FACTORIES AT LOFOTEN.

**Finest NON-FREEZING LOFOTEN COD LIVER OIL. OIL**

Sole Agents for United Kingdom: **W. Charity & Sons, 14 Harp Lane, London, E.C.** Tel. Add.: "Charity London." Tel. No.: Avenue 4359.

## ANGLO-INDIAN DRUG AND CHEMICAL CO.,

**BOMBAY (India)**

DEPOT FOR

TO-KALON MANUFACTURING CO., London.  
ALFRED GUDE & CO., Berlin.  
WATERBURY CHEMICAL CO., Des Moines, Ia. (U.S.A.).  
G. W. CARRICK CO., New York.  
BERNARD ESCOFFIER FILS, Grasse.



**C. F. Asche & Co., Hamburg.**

Manufacturers of Chemical & Pharmaceutical Preparations

Established 1877 SPECIALITIES: Established 1877

Compressed Tablets of Cascara sagrada, Quinine, Rhubarb, Antifebrine, Chlorate of Potash, Bicarbonate of Soda, &c., Ointments, Capsules, Pills (Dragees) of all kinds, will be made to any prescription. Granulated Medicaments, Pastilles of all kinds, German, English and French in all sizes and descriptions, Sublimed Pastilles, Injections, Tablets, Wonder Crown Essence, Harlem Oil, Medicamentum Sancti Spiriti, Dutch Medicines, Worm Tablets, Effervescent Preparations, Selditz Powders, Suppositories, Asthma Cigarettes, Granulated Kola and other specialities.

Trade Mark "Asche" is a guarantee for best quality.

Articles put up in all styles and languages.

Price list and samples post free.

Telegraphic Address "Pharma."



# POTTER'S ASTHMA CURE.

1s. Tins (P.A.T.A. 10½d.)  
8s. 6d. per doz. net.

Look out for our Advt. in  
:: all the leading Papers. ::



## Are You Troubled by ASTHMA?

Are you almost suffocated by that horrid, strangling cough and kept awake night after night? Don't suffer longer, but get Potter's Asthma Cure. Gives instant relief, and works wonders in Asthma, Bronchitis, Croup, Whooping Cough, and other lung troubles. Best remedy for bronchitis of children. Contains no opiates, nor causes bad after-effects.

**Accept Free Trial at once.**

Fill up form below, and you will receive by return a Free Trial of Potter's Asthma Cure, and a little book "Are you Asthmatic?"—full of facts as to the cause, prevention and cure of asthma and bronchitis. Potter's Asthma Cure is supplied by all chemists, herbalists and stores for 1/-



### Sign this Form To-day

To Potter & Clarke, Ltd., Artillery Lane, London, E.  
Please send Free Trial of Potter's Asthma Cure.

NAME .....

ADDRESS .....

# "FIVE BARKS" JUBES



OUR NEW POSTER.

The largest sale of any similar  
jube in the United Kingdom.

4 lb. (enamelled boxes) .... 9d. lb. nett.  
7 lb. Tins .... 8½d. lb. nett.  
3½d. Boxes (4 oz.) .... 2s. 6d. doz.

Poster, Showcards, &c., sent with all orders.

## POTTER & CLARKE

LTD.

60-64 ARTILLERY LANE, LONDON, E.

AND AT 24 LUNA STREET, GREAT ANCOATS, MANCHESTER.



Now is the season for

# “Lung Tonic”

Insist on having the original

# “OWBRIDGE’S”

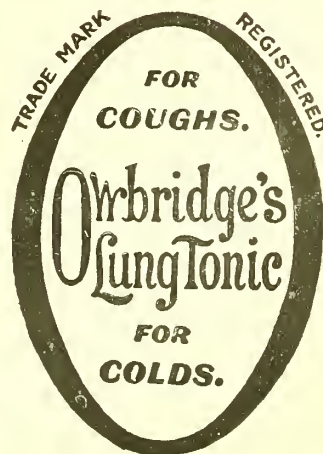
(Established 1874)

This gives satisfaction to both  
CUSTOMER and RETAILER.

**Profit : 20% to 25% sure.**

## NOTICE :

Any Person or Persons infringing this Trade Mark or producing a colourable imitation either of our Trade Mark, Carton, or Label will be proceeded against.



W. T. OWBRIDGE, Ltd., The Laboratory, HULL.

# One of the Phistol Series

of Advertisements appearing in a number of the leading Newspapers, Weeklies, and Magazines.

Phistol is a unique preparation—a solid embrocation.

A number of valuable testimonials are held—and the article is being extensively sampled.

P.A.T.A. :—

1/1½	...	...	11/3
2/6	...	...	25/-

Phistol is "up against" nothing of your own—it will pay you to push it.

Write for terms of window-show bonus.

Stocked by Evans Sons Lescher & Webb; Barclays; Thompsons; Edwards; May, Roberts; Raines; Newbery's; Suttons; Evans; Gadd; and all leading wholesalers.

# Phistol

Cures Whooping-Cough and all Throat and Chest Troubles.



Phistol on your medicine shelf, is a reliable "stand-by" for the children's ailments: Whooping-cough, Sore Throat, Bronchitis, Quinsey. It wastes no time; it gets right at the trouble; it relieves your anxiety, and the sufferer's pain. Incomparable for all painful Rheumatic and Neuralgic or spinal affections. We can't tell you all about Phistol here, but our little book explains.

Get the Little Phistol Book and Sample.

Sent free at our expense for a limited time only on receipt of a P.C. Send it now to:—

Phistol Ltd. (Box Southport).

(Your Name and Address goes here.)

# ICHTHYOL

**WE WARN BUYERS** that fraudulent and ineffective articles purporting to be Ichthyol, or "equal to Ichthyol," are offered by unscrupulous dealers.

**GENUINE ICHTHYOL**, as it has been studied and is wanted by the Medical Profession and supplied all the time to the Trade, is delivered by us in tins and bottles under our special label with our name, and can be obtained in original packing from any wholesale druggist in the U.K. The use of our Registered Trade Marks "ICHTHYOL" and "ICHTHYOLATE" for any other product means deception and dishonesty, and will entail their penalties.

**PHYSICIANS, CHEMISTS, and DRUGGISTS** are requested to report to us all cases where Imitation products are suspected.

Ichthyol-Gesellschaft,  
Cordes, Hermann & Co.,  
HAMBURG.

## J.D. PRODUCTS ARE GOOD TRADE MAKERS.

### FORMALIN THROAT TABLETS.

Mint, Rose, Lemon or Menthol Flavour.

In amber bottles, each 50 tablets, 5/6 per doz. In bulk, 3/- per lb.

### \*QUININE & CINNAMON OIL PERLES.

Each containing: Quinine Sulph. gr. i. and Ol. Cinnamon, B.P. mj. In fancy decorated tins, each 24 Perles, 6/6 per doz. Minimum retail, 1/- per box.

### \*AMMONIATED QUININE CAPSULES.

Twenty-four capsules, each containing the equivalent of 60 m Tr. Ammon. Quin. B.P. packed in neat decorated tins for the pocket. 6/- per doz. Minimum retail, 1/- per box.

### ANTISEPTIC CINNAMON & FORMALIN LOZENGES.

A very effective combination with great antiseptic properties. In screw cap bottles, each 50 lozenges, 5/6 per doz. In bulk, 3/- per lb.

### ANTISEPTIC THROAT PASTILLES.

Thyme, Eucalyptol, Menthol, Gaultheria, Licorice, Terebene and Pine Oil.

In bulk, 1/6 per lb. free tins. In glass show jars, each 6 lb., 10/- inclusive. 1-oz. tins, 1/10 doz. 2-oz. tins, 3/6 doz. 4-oz. tins, 6/6 doz.

### \*PLATYPUS BRAND OIL OF EUCALYPTUS GLOBULUS.

5 lb. tins, 2/3 lb.; 10-lb. tins, 2/2 lb.; 28-lb. tins, 2/- lb.; 3d. bottles, 1/8 doz. 6d. bottles in cartons, 3/8 doz. 1-1/2 bottles in cartons, 7/4 doz.

### \*PINE TREE LOZENGES. J. D. & CO.

The Original Pine-Tree Lozenge.

2-oz. tins, 3/9 doz. Minimum retail, 7½d. per box.

\* ON  
THE P.A.T.A.

YOUR NAME ON  
LABELS IF DESIRED.

Competition for Quality.

**JULES DENOVAL & CO.,** Manufacturers,  
CARLTON WORKS, Asylum Road, LONDON, S.E.



# HONEY! HONEY!! HONEY!!!

We have secured Large Parcels of

ENGLISH HEATHER,  
ENGLISH CLOVER,  
CALIFORNIAN,  
NEW ZEALAND,  
JAMAICA,  
AND  
CHILIAN.

Before Buying write for Samples, Prices, and Styles of  
Packing to

**BROOK PARKER & Co., Ltd.,**  
9 Garnett St., BRADFORD.

WE GIVE SHOWCARDS, PRICE CARDS, WINDOW POSTERS,  
and LOAN BEEHIVES for ATTRACTIVE WINDOW DISPLAY.

# Pinex

The Quick-Selling  
Cough Remedy.

Unsold Bottles  
Returnable any time.

On P.A.T.A. List.

Guaranteed to  
Public and Retailer.

TERMS:—Advertised Price 2/9 per bottle. Mini-  
mum Retail Price, 2/6 per bottle. Price to you  
24/- per dozen.

The Pinex Company Ltd.,  
36-38 Upper Thames Street, London.  
Telegrams: "Pinexine, Cent., London." Telephone: 2208 City.

# MERGENTHEIM TABLETS.

The Sovereign natural Remedy in all cases of Constitutional Disorders like

**CONSTIPATION, GALL-STONES, KIDNEY STONES, GRAVEL,  
DIABETES, LIVER COMPLAINTS, and ALL GOUTY AILMENTS.**

*Analysed and recommended by world-famed scientists such as FRESENIUS, LIEBIG, KUSSMAUL,  
SCHEERER, &c., and for years proved and certified by clinical experiences made in the most  
sceptical manner by medical men of unquestionable authority. These Tablets are made from the  
Natural Salts obtained from the famous Karl-Spring at Bad Mergentheim (South Germany),  
:: :: :: without any addition of sugar or other chemical ingredients. :: :: ::*

To Retail at 1/- per Tube of 25 Tablets. ————— 9/- per doz. (P.A.T.A.)

TO BE HAD OF ALL WHOLESALE HOUSES.

# THE WAND MANUFACTURING CO.,

Tel. Address: "WAND."  
NAT. TEL. 1145.

21 Wellington Street, LEICESTER.

SPECIALISTS IN

# PILLS, TABLETS, CAPSULES,

PRIVATE FORMULÆ faithfully COMPOUNDED

AUTUMN and WINTER

# COUNTER ATTRACTIONS.

SEND A P.C. FOR NEW LIST.

**BEST DRUGS.**

**SPECIAL QUOTES TO LARGE BUYERS.**

**WRIGLEY'S**      **WRIGLEY'S**      **WRIGLEY'S**  
**SPEARMINT** ➔      **SPEARMINT** ➔      **SPEARMINT** ➔

The Only Largely  
 Advertised Chewing  
 Gum in England is

ALL  
 WHOLESALERS  
 STOCK IT.



Wrigley's,  
 Ltd.,  
 164 Piccadilly,  
 LONDON, W.

# URILLAC

**1/1½**  
 and  
**2/9**

Protected Price:  
 1/1 and 2/6.

The New Remedy for Gout,  
 Rheumatism, Lumbago, Sciatica  
 and Neuralgia now being exten-  
 sively advertised.

:: Stocked by all Wholesalers ::

PER DOZEN :

**9/6**  
 and  
**19/-**

**Urillac Manufacturing Co.,**  
 38 Chandos Street, LONDON, W.C.

SPECIAL INDUCEMENT TO CHEMISTS TO DISPLAY A SMALL SHOWCARD.



## PRICES ISSUED WEEKLY.

Original Packages can generally be supplied at the Current Prices quoted in the Trade Report of this Paper on Terms as below.

**O**rris, English Ground, 1 cwt. @ 75/- cwt.;  
7 lbs. @ 9½d. lb.  
Oss. Sepiæ Pulv., 1 cwt. @ 6d. lb.; 7 lb. @ 7½d. lb.  
Otto Rosæ, finest 1 oz. @ 60/- oz.; No. 2, 1 oz. @ 36/- oz.  
Oxymel Scillæ, B.P., 5 cwt. @ 31/- cwt.; 1 cwt. @ 34/- cwt.; \*7 lbs. @ 6d. lb.

**P**apain, 1-30, 1 lb. @ 18/6 lb.; 1 oz. @ 1/7 oz.  
Paraffinum Durum B.P., 2 cwt. @ 2½d. lb.; 1 cwt. @ 3½d. lb.; 56 lbs. @ 3½d. lb.; 7 lbs. @ 4½d. lb.; Mollæ Flav., B.P., 3½ cwt. @ 18/6 cwt.; 1 cwt. @ 27/- cwt.; 28 lbs. @ 3½d. lb.; 7 lbs. @ 4½d. lb.; Alb. B.P., 3½ cwt. @ 56/- cwt.; 28 lbs. @ 7d. lb.  
Paraldehyde, B.P., 7 lbs. @ 2/1 lb.; 1 lb. @ 2/3 lb.  
Pepsin, B.P., 10 lbs. @ 9/4 lb.; 1 lb. @ 10/- lb.  
Phenacetin, P.B., pulv., 1 cwt. @ 2/8 lb.; 7 lbs. @ 2/10 lb.; 1 lb. @ 3/- lb.  
Phenazone, P.B., 7 lbs. @ 6/11 lb.; 1 lb. @ 7/6 lb.  
Phenolphthalein, 7 lbs. @ 5/6 lb.; 1 lb. @ 6/- lb.; 2/10 lb.; 1 lb. @ 3/- lb.  
Plumbi Acetas, Druggists', 1 cwt. @ 34/6 cwt.; 7 lbs. @ 5d. lb.; Powder, 1½d. lb. extra.  
Podophylli Resina, P.B., 1 lb. @ 10/- lb.  
Potassa Caustica Sticks, P.B., 28 lbs. @ 10d. lb. 6 1-lb. Bots. @ 11d. lb.  
Potas. Acetas. Gran. P.B., 28 lbs. @ 1/- lb.; 7 lbs. @ 1/1 lb.  
Potas. Bicarb. pulv., 1 cwt. @ 32/6 cwt.; 7 lbs. @ 4d. lb.  
Potass. Brom. P.B., 1 cwt. 1/7 lb.; 28 lbs. @ 1/½ lb.; 7 lbs. @ 1/9 lb.  
Potas. Chlor. Pulv., 1 cwt. @ 4d. lb.; 7 lbs. @ 5d. lb.  
Potass. Cit., B.P., 7 lbs. @ 1/8 lb.  
Potass. Cyanidum, 98%, 1 cwt. @ 11½d. lb.; 7 lbs. @ 1/2 lb.  
Potass. Iod. P.B., 1 cwt. @ 10/- lb.; 14 lbs. @ 10/1 lb.; 3 lbs. @ 10/2 lb.  
Potass. Metabisulph., 1 cwt. @ 35/6 cwt.; 7 lbs. @ 6d. lb.  
Potass. Permang., Cryst., 1 cwt. @ 40/- cwt.; 7 lbs. @ 5d. lb.; large cryst., 7 lbs. @ 6d. lb.  
Potass. Prussias Flav., 7 lbs. @ 7½d. lb.  
Pulv. Crete Arom. P.B., 14 lbs. @ 7d. lb.; c. Opio B.P., 7 lbs. @ 1/9 lb.  
Pulv. Glycyrrh. Co. B.P. (Green), English Ground, 56 lbs. @ 35/- cwt.  
Pulv. Ipecac. Comp. P.B., 1 lb. @ 4/3 lb.  
" Jalap Comp. P.B., 1 lb. @ 1/6 lb.  
" Rhei Comp. P.B., 1 lb. @ 1/2 lb.

**Q**uassia Chips, 1 cwt. @ 12/6 cwt.; 28 lbs. @ 2d. lb.  
Quinine Bisulph. 100 oz. @ 9½d. oz.; 25 oz. @ 10½d. oz.; 10 oz. @ 11½d. oz.  
Quinine Ethyl Carb. (Tasteless), 100 oz. @ 1/8½ oz.; 10 oz. @ 2/- oz.  
Quinine Hydrobromas or Salicylate, B.P., 100 oz. @ 1/1½ oz.; 25 oz. @ 1/2½ oz.; 10 oz. @ 1/3½ oz.  
Quinine Hydrochlor. R.P., 100 ozs. @ 1/10½ oz.; 25 ozs. @ 1/1 oz.; 10 ozs. @ 1/3  
Quinnæ Sulph., B.P., 100 ozs. @ 9d. oz.; 25 ozs. @ 10d. oz.; 10 ozs. @ 10½d. oz.

**R**ad. Gentian, English Ground, 1 cwt. @ 37/- cwt.; 7 lbs. @ 5d. lb.  
Rad. Glycyrrh. English Ground, 1 cwt. @ 24/6 cwt.; 7 lbs. @ 3½d. lb.  
Rad. Ipecac. Rio., 7 lbs. @ 9/6; 1 lb. @ 10/- lb.  
Rad. Jalap. English Ground, 28 lbs. @ 1/10 lb.; 7 lbs. @ 1/11 lb.  
Rad. Rhei E. I., English Ground, 1 cwt. @ 1/4 lb.; 28 lbs. @ 1/6 lb.; 7 lbs. @ 1/7½ lb.  
Rad. Rhei E. I., Trimmed, 7 lbs. @ 5/- lb.; 1 lb. @ 5/4 lb.  
Resorcin, B.P., 7 lbs. @ 3/2 lb.; 1 lb. @ 3/7 lb.

**S**accharine, .550 or .500, 7 lbs. @ 26/- lb.; 1 lb. @ 27/6 lb.; .330 7 lbs. @ 24/- lb.; 1 lb. @ 25/6 lb.  
Sacchar Ust., 1 cwt. @ 25/6 cwt.; 10 lbs. @ 4d. lb.  
Saffron, Valentia, B.P., 7 lbs. @ 51/-; 1 lb. @ 52/6 lb.; 1 oz. @ 3/7 oz.  
Sal. Acetos., 1 cwt. @ 5½d. lb.; 56 lbs. @ 6½d. lb.; 7 lbs. @ 7d. lb.  
Salicinum, B.P., 1 lb. @ 16/6 lb.  
Salol, B.P., 7 lbs. @ 2/3 lb.; 1 lb. @ 2/6 lb.  
Sang. Draconis pulv., English ground, 1 cwt. @ 1/10½ lb.; 7 lbs. @ 2/0½ lb.  
Santoninum, P.B., 7 lbs. @ 95/- lb.; 1 lb. @ 97/- lb.  
Sapo Cast. Alb., 10 cwt. @ 26/- cwt.; 2 cwt. @ 27/- cwt.; 7 lbs. @ 3½d. lb.; pulv., 1 cwt. @ 65/- cwt.; 56 lbs. @ 68/- cwt.; 7 lbs. @ 8d. lb.; Animal pulv., 1 cwt. @ 70/- cwt.; 56 lbs. @ 72/- cwt.; 7 lbs. @ 9d. lb.  
Scammony Resin Pulv. B.P., 7 lbs. @ 4/- lb.; 1 lb. @ 4/5 lb.  
Shellac (Orange), 1½ cwt. @ 80/- cwt.; 7 lbs. @ 9d. lb.  
Soda Caustica, 28 lb. tins @ 8½d. lb.; 6 1-lb. Bots. @ 10d. lb.  
Soda Cit., B.P., 3 lbs. @ 1/11 lb.  
Soda Salicyl. Pulv., 7 lbs. @ 1/6 lb.; phys. pur.; 28 lbs. @ 2/3 lb.; 1 lb. @ 2/6 lb.  
Soda Sulphite Recryst., 1 cwt. @ 16/6 cwt.; 7 lbs. @ 4d. lb.  
Soda Sulphocarbolas, B.P., 7 lbs. @ 11d. lb.; 1 lb. @ 1/1 lb.  
Sodii Bromid. P.B.; 1 cwt. @ 1/11½ lb.; 7 lbs. @ 2/1½ lb.  
Soda Hyposulphite, pea cryst., 1 cwt. @ 8/6 cwt.  
\*Spt. Ether Nit. P.B., 4½ lbs. @ 3/6½ lb.; 1 lb. @ 3/9½ lb.  
\*Spt. Ammon Aromat., P.B., 5 lbs. @ 2/9 lb.  
\*Spt. Chloroform, P.B., 5 lbs. @ 3/7 lb.  
Strontia Bromid., 1 cwt. @ 1/8½ lb.; 7 lbs. @ 1/11 lb.; 1 lb. @ 2/2 lb.  
Strychnina cryst., B.P., 25 ozs. @ 2/- oz.; 1 oz. @ 2/6 oz.; Hydrochlor. and Sulphate, 2d. oz. less.  
Sugar of Milk, P.B., 1 cwt. @ 67/6 cwt.; 7 lbs. @ 8½d. lb.  
Sulphonat. P.B., 1 lb. @ 10/4 lb.  
\*Syr. Aurant. P.B., 7 lbs. @ 9½d. lb.  
" Easton, B.P., 7 lbs. @ 1/0½ lb.  
" Ferri Iodid. P.B., 7 lbs. @ 1/3½ lb.  
" Ferri Phosphat. Co., 7 lbs. @ 5½d. lb.  
" Hypophosph. Co. R.P.C., 7 lbs. @ 9½d. lb.  
" Pruni Virg. B.P., 8 lbs. @ 7½d. lb.  
" Rhamni, 7 lbs. @ 10½d. lb.  
" Rhei P.B., 7 lbs. @ 8d. lb.  
" Scillæ P.B., 7 lbs. @ 5d. lb.  
" Sennæ P.B., 7 lbs. @ 8½d. lb.  
" Tolut. P.P., 7 lbs. @ 8½d. lb.

**T**hymol, 7 lbs. @ 6/6 lb.; 1 lb. @ 7/- lb.  
Tinct. Aurantii Recens, B.P., 5 lbs. @ 3/6 lb. bond, 8½d.  
\*Tinct. Belladon., B.P., 5 lbs. @ 2/11 lb.; bond, 6½d.  
\*Tinct. Benzoini Comp., P.B., 5 lbs. @ 3/6 lb.; bond, 8½d.  
\*Tinct. Campb. Comp. P.B., 5 lbs. @ 2/5 lb.; bond, 6½d.  
\*Tinct. Cantharidis, P.B., 5 lbs. @ 3/9 lb.; bond, 6d. lb.  
\*Tinct. Capsici, B.P., 5 lbs. @ 3/3 lb.; bond, 6d. lb.  
\*Tinct. Card. Comp., P.B., 5 lbs. @ 2/6 lb.; bond, 6½d. lb.  
\*Tinct. Catechu, P.B., 5 lbs. @ 2/8 lb.; bond, 7½d. lb.

\*Tinct. Chlorof. c. Morph., B.P., 1885, 5 lbs. @ 2/- lb.; bond, 1/6½ lb.  
\*Tinct. Cinchon. Comp., B.P., 5 lbs. @ 3/5 lb.; bond, 1/0½ lb.  
\*Tinct. Cinchon. Rub., P.B., 5 lbs. @ 3/- lb.; bond, 10d. lb.  
\*Tinct. Digitalis, B.P., 5 lbs. @ 2/8 lb.; bond, 6½d. lb.  
\*Tinct. Gelsem. B.P., 5 lbs. @ 2/10 lb.; bond, 6½d.  
\*Tinct. Gentianæ Comp., B.P., 5 lbs. @ 1/11½ lb.; bond, 6½d. lb.  
\*Tinct. Hyoscyami, B.P., 5 lbs. @ 2/5 lb.; bond, 7½d. lb.  
\*Tinct. Iodi, B.P., 5 lbs. @ 4/2 lb.; bond, 1/6 lb.; decolor. 5 lbs. @ 4/6 lb.; bond, 1/3½.  
\*Tinct. Lavandulæ Comp., B.P., 5 lbs. @ 3/10 lb.; bond, 7½d. lb.  
\*Tinct. Myrrhæ, B.P., 5 lbs. @ 3/9 lb.; bond, 9½d. lb.  
\*Tinct. Nucis Vom., B.P., 5 lbs. @ 2/10 lb.; bond, 6d. lb.  
\*Tinct. Opii, B.P., 5 lbs. @ 4/2 lb.; bond 2/10 lb.  
\*Tinct. Opii Amon., B.P., 5 lbs. @ 3/9 lb.; bond, 2/7 lb.  
\*Tinct. Opii Aquos., 5 lbs. @ 2/10 lb.  
\*Tinct. Quinæ Amm., B.P., 5 lbs. @ 2/6 lb.; bond, 11d. lb.  
\*Tinct. Rhei Co., B.P., 5 lbs. @ 2/2 lb.; bond, 9d. lb.  
\*Tinct. Scillæ, B.P., 5 lbs. @ 2/6 lb.; bond, 7½d. lb.  
\*Tinct. Senegæ, P.B., 5 lbs. @ 3/1 lb.; bond, 1/3½ lb.  
\*Tinct. Strophanth., P.B., 5 lbs. @ 3/5 lb.; bond, 8½d. lb.  
\*Tinct. Valerianæ, 5 lbs. @ 2/8 lb.; bond, 6d. lb.  
\*Tinct. Valerianæ Ammon., P.B., 5 lbs. @ 3/1 lb.; bond, 8½d. lb.  
\*Tinct. Zingib., P.B., 5 lbs. @ 4/- lb.; bond, 6½d. lb.  
\*Tinct. Zingib. Fortior. 5 lbs. @ 4/3 lb.; bond, 10½d. lb.  
Treacle (Black), Casks about 5½ gross @ 42/- per Cask; 24 lbs. @ 2d. lb.  
Turpentine (Best American), 1 gal. tins @ 3/3 each; Venice, Genuine, 40 lbs. @ 1/4½ lb.; 9 lbs. @ 1/7 lb.

**U**ng. Acid. Boric, P.B., 28 lbs. @ 6d. lb.; Flav. 28 lbs. @ 4½d. lb.  
" Acid Carbol. B.P., 28 lbs. @ 8d. lb.; 7 lbs. @ 9d. lb.; 1 lb. @ 11d. lb.  
" Gallæ, P.B., 7 lbs. @ 1/- lb.; 1 lb. @ 1/2 lb.; c. Opio, 7 lbs. @ 2/10 lb.  
" Hydrargyri, B.P., 23 lbs. @ 1/10 lb.; 7 lbs. @ 2/- lb.  
" Hydrarg. Ammon. B.P., 28 lbs. @ 11d. lb.; 7 lbs. @ 1/2 lb.  
" Hyd. Nit. Dil. 7 lbs. @ 10d. lb.  
" Paraff. Alb., P.B., 28 lbs. @ 7d. lb.; 7 lbs. @ 8d. lb.; 1 lb. @ 10d. lb.; Flav. 28 lbs. @ 5d. lb.; 7 lbs. @ 6½d. lb.  
" Resinæ, P.B., 28 lbs. @ 10d. lb.; 7 lbs. @ 11d. lb.  
" Sulphuris, B.P., 28 lbs. @ 7½d. lb.; 7 lbs. @ 8½d. lb.  
" Zinc Oxid. Benz. B.P., 28 lbs. @ 8d. lb.

**W**ax, Japan, 2 cwt. @ 48/- cwt.; 7 lbs. @ 7d. lb.

**Z**inci Oleat Powder B.P.C., 7 lbs. @ 2/- lb.  
Zinci Oxid., Whitest and Lightest, B.P., 1 cwt. @ 38/- cwt.; 28 lb. @ 5d. lb.; 7 lbs. @ 6d. lb.  
Zinci Sulph., pure, 1 cwt. @ 16/- cwt.; 28 lbs. @ 2½d. lb.  
" Sulphocarbolas, B.P., 7 lbs. @ 11d. lb.; 1 lb. @ 1/1 lb.

\*Minimum quantity at these prices: Home Trade, 3 Winchester Quarts assorted; Export, 12 Winchester Quarts assorted.

NOTE.—Only Terms Net Cash with order without discount, or orders accepted through London Merchants or Bankers.  
Goods carriage forward; all packages free; Export cases extra.

ALLIANCE DRUG &amp; CHEMICAL CO., LONDON.

Office: 34 LEADENHALL STREET.

KINDLY DETACH THIS SHEET AND PLACE IT IN YOUR BUYING BOOK.

# SOLUBLE QUININE PESSARIES.

The "SAFEGUARD" Brand.



The "Safeguard" Pessaries (of which we are sole proprietors) are compounded according to a formula which experience has shown to be absolutely the best for the purpose. Nothing but the purest drugs being used in them, they never fail, and can be recommended to customers with the utmost confidence.

PRICES			Per Dozen Boxes	£	s.	d.
				0	10	6
				0	10	0
	1 Dozen in Box, with directions	...		0	9	6
	" " in 3 Dozen lots	...				
	" " in 6 " "	...				

**Special Quotations to Shippers and Wholesale Dealers.**

5% discount allowed for prompt cash off above prices. Carriage paid on orders of £2 and upwards.

We are the right House for Catheters, Clinical Thermometers, Enemas, Elastic Hosiery, Hot-Water Bottles, Injection Syringes, Pessaries, Sponge Bags, Trusses, Water Beds, Water and Air Cushions, Waterproof Sheeting, and every description of Rubber Goods.

ILLUSTRATED PRICE LIST, POST FREE. OUR GOODS ARE RIGHT. MONEY BACK IF NOT SATISFIED.

**BURGE, WARREN & RIDGLEY, LIMITED,**  
91 & 92 GREAT SAFFRON HILL, LONDON, E.C.

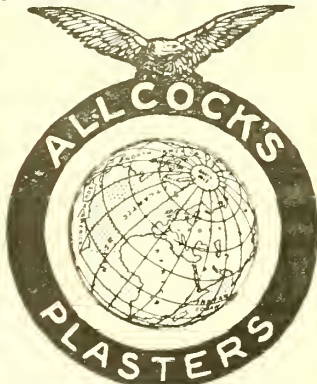
The Original and only Genuine

## Allcock's POROUS PLASTERS

A REMEDY OF 60 YEARS' STANDING.

Allcock's Plasters  
Allcock's Corn and  
Bunion Plasters  
Brandreth's Pills

The  
Three  
Reliables.



A HANDSOME  
SHOWCARD  
will be sent  
free of cost  
and post paid  
on application.

ALLCOCK . . .  
MANUFACTURING  
COMPANY . . .

22 Hamilton Sq.,  
Birkenhead.

"Sold all round the World."

## DO MORE

THAN ASK FOR A

## BELLADONNA PLASTER

SEE THAT IT BEARS THE NAME

**JOHNSON & JOHNSON.**

Agents—John Timpson & Co. Ltd., 104 Golden Lane, London, E.C.

SEND FOR PRICE LIST.

**USE BEST BOTTLES ONLY.**

**WILL YOU PLEASE TRY OURS.**

**PLEASE NOTICE.** All orders given this month will be executed at following low prices—

**Clear Blue Tinted, plain or graduated. Round Edges.**  
3 & 4 6 & 8 12 16 ounce.  
7/- 8/- 12/- 14/- per gross.

**PANEL BOTTLES 1/- per gross extra.**  
**FIRST QUALITY. Quinine Tinted. Round Edges.**  
3 & 4 6 & 8 12 16 ounce.  
10/- 11/- 18/- 20/- per gross.

**WHITE PHIALS—GOOD QUALITY.**  
3 1 1 3 ounce. } Plain or  
3/6 4/- 4/6 5 6 per gross } Teaspoon  
**The New Shape OVAL FRONTED BOTTLES.**  
6 oz. size 8/6 per gross.

## I. ISAACS & CO.,

106 MIDLAND ROAD, ST. PANCRAS, LONDON, N.W.

Carriage paid to certain stations. Particulars on application.  
Established 120 years. Bankers:—London, County & Westminster Bank.



# Ingram's Improved Enema 'Utilema.'

Registered Trade Mark No. 343452.

Fitted with Aseptic Glass Pipes and Valves.  
Sterilizable in its Entirety.

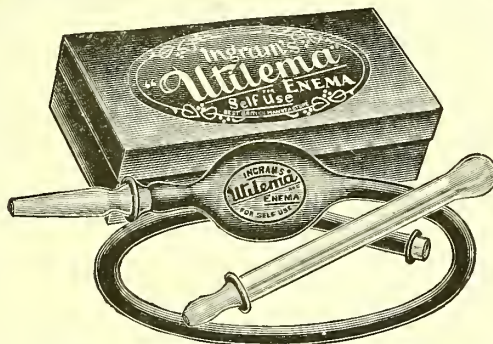
Guaranteed not to Split.

BEST ENGLISH MAKE.

BEST QUALITY RUBBER.

Specially recommended for persons that require to manipulate the Syringe themselves

The improvement of this Enema is brought about by the glass rectum, or vagina pipe being fitted close up to the compression bulb which renders the instrument to be easily manipulated with one hand, and the advantages of so doing will be apparent.



It has a Perfect Action of Suction and Injection and is easily handled in any position.

The Best, Safest, and Cleanest Enema for Self-injection Purposes

SPECIALLY RECOMMENDED BY THE MEDICAL PROFESSION.  
Packed Complete in Attractive Box.

Obtainable of all Chemists.

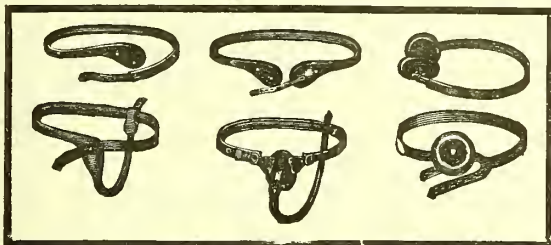
Listed on the P.A.T.A. List.

MANUFACTURERS:

J. G. INGRAM &amp; SON,

The London India Rubber Works,  
HACKNEY WICK, LONDON, N.E.

## BAILEY'S



## TRUSSES

WHOLESALE.  
BEST QUALITY.

ACTUAL MAKERS.  
BOTTOM PRICES.

MADE ON THE PREMISES.

Specials Despatched in 24 hours.

Illustrated Price List free.

Bailey's Circular Trusses	...	...	23/-	Double 37/-
" 2nd quality	...	...	16/9	31/6
" Special "Marone," with Customer's Name in Gold	...	...	26/-	43/-

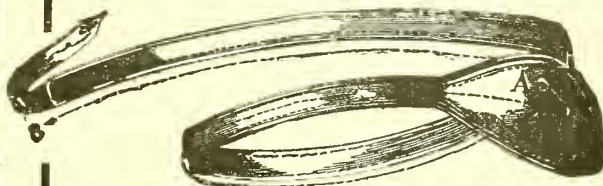
Correspondence invited.

Best Shipping Terms.

38 Oxford St., LONDON, W.

## "HERNICURA" Trusses

(REGD.)



### REASONS

Why you should stock "Hernicura" Trusses (Regd.):

MARVELLOUS VALUE.

PRACTICAL SHAPES.

ALL LEATHER.

GREAT ADAPTABILITY

[Example: A 33 in. Truss will fit either 32, 33 or 34 in.]

MEANS LARGE RANGE WITH SMALL STOCK.

WILL BUILD UP YOUR TRUSS TRADE:

Singles, 18/- doz. Doubles, 39/- doz.  
Specials by return.

LIST ON APPLICATION.

JOHN MORGAN DAVIS & SONS,  
278 BISHOPSCATE, LONDON, E.C.



**44% TO 66%**

**PROTECTED (P.A.T.A.) PROFIT**

Chemists interested in profitable and quick selling lines should apply for particulars and terms respecting


**DANZO BEETLE POWDER**

—the new scientific exterminator of Beetles, Cock-roaches, Ants, Crickets, &c.

**WILL BE ADVERTISED SPECIALLY TO SUPPORT CHEMISTS STOCKING IT.**

Card boxes: 2 doz. 3d. tins, 2/1 per doz.; 1 doz. 6d. tins, 3/8; also in 1/- tins @ 7/5 per doz.; and 26 tins @ 18/- per doz.

Through your Wholesale House, or direct from:  
**DANYSZ VIRUS, LTD. (Dept. 350)**  
52 LEADENHALL STREET, LONDON, E.C.



**'RODINE'**

**BUCKETS OF RATS**  
Mr. STEWART, Chemist, Kingsbridge, writes: "A Farmer picked up bucketsful of dead rats after using 'Rodine.'"

**TUBSFUL OF RATS**  
Mr. J. KENNEDY, Coachman, Nenagh, writes: "I found in a stable-yard tubful of dead rats after using a 6d. tin of 'Rodine.'"

**SACKFUL OF RATS**  
Mr. CARLETON, Chemist, Larne writes: "A customer picked up a sackful of rats after using a small tin of

**'Rodine' Rat Poison.'**

**RATS.**

"RODINE" is extensively advertised in leading papers. Specially appointed Agents are advertised and supplied with attractive literature bearing their names.

For immediate option of Sole Agency, apply to the Maker:  
**HARLEY, Manufacturing Chemist,**  
PERTH, SCOTLAND.

CONTRACTORS TO H.M. GOVERNMENT.

**PEARSON'S DISINFECTANTS.****HYCOL**Co-efficient on B. Typhosus 18-20.  
Concentrated Germicide.**PACOLOL**Co-efficient on B. Typhosus 3-18.  
Surgical Fluid. Clear solution in aqua dest.**PACOLIN**

For General Household and Toilet Purposes.

**"BURRA DOG" BRAND SOLUBLE FLUID.****PEARSON'S ANTISEPTIC CO., LTD., 15 ELM STREET, LONDON, W.C.**

WORKS—WILLIAM PEARSON, LTD., HULL.

Branches: Aussig, Bombay, Bordeaux, Brussels, Calcutta, Cape Town, Durban, Genoa, Glasgow, Hamburg, Johannesburg and Paris.



**Vincent Wood's**

**GOLD MEDAL  
BRITISH MADE  
HOT-WATER BOTTLES.**

QUALITY GUARANTEED.

Also Special New  
**LAMB'S-WOOL AND PLUSH COVERS  
AND BAGS, LUNG PROTECTORS,  
WINTER BODY BELTS, TRUSSES, &c.**

SEND FOR LIST, &c.  
4 Albion Place, Blackfriars Bridge, London, S.E.

**THE NEW  
'ADAPTABLE' HOT WATER BOTTLE.**

(REGISTERED DESIGN.)



Suitable for many purposes for which the old-fashioned shape is useless.

For **BED-WARMERS.**  
For **CARRIAGES.**  
For **MOTOR CARS.**  
For **INVALIDS, &c.**

Customers can have their names, &c., printed on reverse side.

**LOW PRICES. BIG DISCOUNT.**  
Sole Manufacturers:—  
**The Fulham Pottery & Cheavin Filter Co., Ltd. FULHAM LONDON, S.W.**



By Royal Warrant to  
H.M. The King.



By Royal Warrant to  
H.M. The King.

Only  
**ONE**  
Address.

**DAY & SONS,** ESTABLISHED 1840.  
**CREWE, LTD. (CREWE)**  
HORSE, CATTLE, SHEEP & DOG MEDICINES.

Only  
**ONE**  
Address.

**LARGEST SALE IN THE WORLD.**



### DAYS' BLACK DRINK

Cures Colic or Gripes in Horses or Cattle, Scour and Weakness in all Young Stock, Blown Cattle and Sheep, Debility, Chills, and Low Condition in all Stock.

Price 1/8 per bottle.

### DAYS' HUSKOLEIN.

Almost infallible for Tape Worms in Lambs and other Animals; for Husk or Hoose in Calves, Lambs, &c. A speciality for Worms in Horses and Colts.

6/6 per bottle.

### DAYS' "ZOMO-SAL."

For Blood Disorders, Humours, General Weakness, Surfeits, Indigestion, Sterility, &c., in Horses and Beasts. Promotes Growth of Bone. Makes animals "fit" for Show or Sale.

In Canisters at 7/6, 20/-, and 40/-

### DAYS' RED DRINK

OR COW DRENCH.

For Costiveness, Loss of Cud, Indigestion, Garget, Colds, Fever, Hidebound, &c., in Cattle. Prepares Cows for Calving, Prevents Milk Fever, and cures Bad Cleansing.

12/- per doz. packets.

The Ewe Drench for Ewes, 3/6 per doz.

### DAYS' OILS

(THE PURIFIED DRIFFIELD OILS)

Heal all Wounds in Horses, Cattle, and Sheep. Sore Teats and Swollen Udders in Cows and Ewes. For Anointing in difficult Lambing or Calving.

2/6 and 6/- per bottle.

### DAYS' WHITE OILS.

A Safe Embrocation for Sprains, Swellings, Windgalls, Sprung Sinews, Rheumatism, Sore Throat, Weak Joints, &c.

2/6 and 6/- per bottle.



### DAY & SONS' "ORIGINAL" MEDICINE CHESTS

Price £1 4s., £2 4s., £5, and £10 10s.; Carriage Paid.

Arranged for Horses, Cattle and Sheep; Horses only; or to suit any class of stock.

WHEN ORDERING PLEASE STATE REQUIREMENTS.

The Chest Illustrated is similar to that at £5 and £2 4s.

Great Specialities.

ONLY GENUINE FROM  
**DAY & SONS, CREWE, LTD.,**  
**CREWE, ENGLAND.**  
LIBERAL TERMS FOR FOREIGN BUYERS.

PRICES PROTECTED.

## Dr. Allinson's Food Preparations.

Food for Babies, Prepared Barley, Brunak, Power, M-F. Cocoa, Biscuits, Soup, Nutbutter (Walnut Blend), Wholemeal, &c.

NOTICE TO THE TRADE.

We issue a list of WHOLESALE HOUSES who keep above in stock; if for any reason you have difficulty in obtaining supplies, please send post-card direct to us, and a list will be sent to you by return. See trade mark on all our goods: "T. R. ALLINSON." *None Genuine Without.*

**NATURAL FOOD COMPANY, LIMITED.**  
305 Cambridge Road, Bethnal Green, LONDON, E.

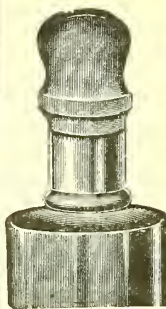
Handbills, Booklets, Showcards, &c., Free.

N.B.—Our goods are to be sold only at prices stated upon the Price Lists we issue to the trade.

AIR-TIGHT & SELF-FIXING CAPSULES.

## 'SEMREH' BOTTLE CAPS.

FIT ALL BOTTLES.



The necessity of purchasing specially shaped bottles or bottles with specially shaped necks does not arise when you use 'Semreh' Bottle Caps. Consider the convenience and saving in using Caps which fit perfectly the bottles and stoppers you have in stock!

FULLY DESCRIPTIVE BOOKLET FREE

THE VISCOSE DEVELOPMENT CO., LTD.,  
Pembroke Road, BROMLEY, KENT.

The Winter Issue of The Chemist and Druggist  
will be published on January 25, 1913.

Firms desirous of sending out their Price Lists or Circulars should put the matter in hand before the Christmas Holidays arrive and write at once to secure room to—

The Publisher, 42 Cannon Street, London, E.C.

# A. MILLAR & CO., LTD., DUBLIN PURE ORANGE WINE

(VINUM AURANTII, B.P.)

Prepared in strict accordance with the Formula of the British Pharmacopœia.

(Wholesale only.)

London Agent: JAMES STIRTON, 23 ST. DUNSTON'S HILL, E.C.

## VITTEL

VOSGES,  
FRANCE.

Vittel Spa has many attractions for visitors.

Full particulars on application.

### GRANDE SOURCE.

### SOURCE SALÉE.

The TABLE WATER for Arthritis, Gout, and Kidney Troubles. . . . .

The TABLE WATER for Constipation, Complaints of the Liver and Stomach, Gall Stones, Glycosuria, &c. . . . .

10,000,000 BOTTLES SOLD ANNUALLY.

VITTEL, 12 Mark Lane, LONDON, E.C.

CUSHION SHAPED

## LIQUORICE and MENTHOL PELLETS.

THE ORIGINAL AND THE BEST.

3s. 6d. per lb. Also in Tins at 2/- and 4/- doz.

E. ERNEST JACKSON,

Crediton, & Plantain Place, Crosby Row, Borough, S.E.

Telegrams:

"Jackson Crediton."



# NATURAL Mineral Waters

---

- ¶ We are Agents for all the leading Natural Mineral Waters, importing them regularly throughout the Season.
- ¶ Should you be asked for a Water with which you are not conversant, please apply to us, as we may have it in stock; or we could procure at short notice.
- ¶ Chemists should write for our special list of net prices. Goods delivered direct to Clients' own Customers if desired.
- ¶ Show-cards, Show-Bottles, Pamphlets, Dummies, &c., forwarded on application.

## INGRAM & ROYLE, Ltd.

IMPORTERS, EXPORTERS AND DEALERS IN ALL

**Natural Mineral Waters, Salts and Pastilles.**

---

Telegraphic Addresses :

"INGRAM-ROYLE LONDON."  
Telephone : Hop. 4343 (2 lines).

"SPRUDEL BRISTOL."  
Telephone : 1113.

"CELESTINS LIVERPOOL."  
Telephone : Bank 4528.

**Bangor Wharf, 45 Belvedere Road, London, S.E.**

LIVERPOOL : 19 South John Street.

BRISTOL : Bath Bridge.  
No. 1.

**FRED<sup>K</sup>. FINK & CO.**

10 &amp; 11 MINCING LANE, LONDON, E.C.

SPECIALITIES: Gums Arabic and Tragacanth as imported or finely powdered—Dextrine, Camomiles, Money. Waxes of all kinds for Boot Polishes, &amp;c.

**HOT WATER BOTTLES**

"ISDAMA" BRAND.

10 x 6 ...	3/6	12 x 10 ...	5/3
10 x 8 ...	4/-	14 x 8 ...	5/-
12 x 8 ...	4/4	14 x 10 ...	5/9

SPECIAL OFFER, 5% discount for orders of 3 dozen and Customer's name moulded on.

GALEN MANUFACTURING CO., LTD.,  
Wilson Street, NEW CROSS, S.E.**DIABETES**

G. VAN ABBOTT &amp; SONS, London, S.E.

Manufacture all foods for above.

Established 1859.

Tel: 7018 Central.

Telegraphic Address: "Glutens London."

**CRIMSON CROSS REMEDIES.**DO  
YOU  
SELL  
THEM?

There are Three Reasons why you should:

- 1st. A demand has been created by advertising.
- 2nd. They yield a good profit to the Retailer.
- 3rd. They give satisfaction to the Customer.

— ENQUIRIES INVITED —

CRIMSON CROSS DISPENSARY, DERBY. Tel. 828.

TO WHOLESALE BUYERS &amp; SHIPPING MERCHANTS ONLY.

FOR ALL KINDS OF

**CAPSULES & PERLES.**

Hand made or Machine-made, "TYE'S" will ensure purity of contents and best finish. Specially prepared to suit all climates.

JOHN TYE & SON  
(Established 1845),Manufacturing Chemists,  
PACKINGTON STREET, LONDON, N.

THE CROWN CAPSULE COMPANY.

ST. JAMES PLACE.

PAISLEY, N.B.

**CAPSULES AND PERLES**

SEND FOR SAMPLES &amp; QUOTATIONS.

FEARLESS QUALITY—KEENEST PRICES.

**DISINFECTANTS**

OF ALL KINDS.

Cheapest Makers of Co-efficient Acids and Fluids.

HENRY ELLISON, LTD., CLECKHEATON, YORKS.

**NEWNHAM BROWNE & CO.**(John E. Raworth, Chartered Patent Agent, Sole Partner)  
PATENTS, TRADE MARKS AND DESIGNS.City Office:  
78 CHEAPSIDE, E.C.Head Office:  
QUEEN ANNE'S CHAMBERS,  
WESTMINSTER, S.W.**PRECIPITATED CHALK.**

LIGHTEST, WHITEST AND PUREST QUALITIES

APPLY TO—

AUG. LEVERMORE & Co., Ltd., 8/10 Gt. St. Helen's,  
LONDON, E.C.

TELEGRAMS: "LEVERMORE LONDON." TELEPHONE: 4513 CENTRAL.

**ENEMAS, SPRAYS, DOUCHES, &  
SURGICAL RUBBER GOODS.**

— Write for List —

**X. L. RUBBER CO.** Broadheath Rubber Works,  
ALTRINCHAM.

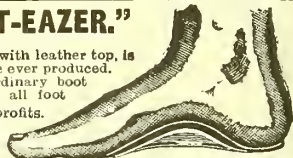
SPECIALISTS IN THE MANUFACTURE OF

**Trusses in Leather, Hard  
Rubber, Celluloid, &c.,  
SUSPENSORY BANDAGES, AND BELTS.**

F. SCHUTZE &amp; CO., LTD., London, N. [3]

**SCHOLL'S "FOOT-EAZER."**

Made of two German Silver Springs, with leather top, is the most practical foot-resting device ever produced. Light and springy, worn in the ordinary boot unnoticed, it gives instant relief to all foot troubles. Gives the Chemist big profits. Our free Booklet "Scientific Correction for Ailments of the Feet" sent on application.



THE SCHOLL MFG. CO., Ltd., 1 2 3 &amp; 4, Giltspur Street, London, E.C.

BUNCHER & HASELER,  
LTD.**ALUMINIUM BOXES**Branston St.,  
BIRMINGHAM, ENGLAND.**"Princess" Powder Paper. Paint Paper.  
Soap Leaves in Booklets.  
Nail Polishing Paper. Nail Polishing Stones.  
"Ideal" Shampoo Powder.**

Best Quality and Lowest Prices, [2]

PHARMACEUTISCHE INDUSTRIE-GESELLSCHAFT, Offenbach-am-Main 5

**CYONA**TINCTURE, OINTMENT, and SOAPS  
(For Human and Veterinary use).

AWARDS:

Medal & Diploma ..	Chicago, 1893.	Silver Medal ..	Antwerp, 1894.
Silver Medal ..	Vienna, 1894.	Gold Medal ..	Tasmania, 1895.
Hon. Mention ..	Paris, 1900.		

THE CYONA COMPANY, Ltd., Aston, Wallingford, BERKS.



Imitation Oak.

**MENTHOL and  
MENTHOL & EUCALYPTUS  
SNUFFS.**

Both Profit Bringers!

On the P. A. T. A.

3½d., 1/10 per dozen,

6 dozen lots, 1/8,

5 gr'ss lots 16/6 per gr'ss



Imitation Tortoiseshell.

SHIRLEY BROS., Ltd., Whitecross Works, London, S.E.





### ALEXANDRE'S SHADEINE

FOR COLOURING GREY HAIR.  
This popular article is largely advertised  
and stocked by all Wholesale Houses.

**TRIAL BOTTLES** 6d. size, supplied on  
pretty showcards.  
4/- per doz.; 5/6 also, 38/- per doz.

58 WESTBOURNE GROVE, LONDON, W.



### Papier Poudre

#### POPPOE PREPARATIONS

Good Profit to Chemists, &c.

Price List from

PAPIER POUDRE, Ltd.,

23 Somerset St., London, W.



## First-Class Mechanical Dentistry.

Reliable workmanship. Popular prices. Moderate charges for gold. D.A., Tubes, Seamless Gold Crowns, Sections, Vulcanite, &c. Ash's and D.M.Co. Teeth and Rubber guaranteed. Punctuality strictly observed. List free. Trial case solicited. Gold and D.A. work a speciality. Special cheap rates for showcase pieces. 16 years' experience of first-class mechanical dentistry.

E. C. HALDER, 46 New Cross Road, LONDON, S.E.



## TINS

FOR COLD CREAM, LANOLINE,  
"VASELINE," CAMPHOR ICE,  
MENTHOL SNUFF, COCOANUT  
OIL, PINE TREE LOZENGES,  
BROMPTON LOZENGES, Etc. Etc.

Ask for particulars of "Own Name" Ointment  
tins, as drawing. Every Chemist should have them.

**SHIRLEY BROTHERS, LTD.,**

"X" Series Tins, Whitecross Works, LONDON, S.E.

## TOBACCOS ! CIGARS ! CIGARETTES !

Every known Brand at Manufacturer's own List  
Prices. Endless variety of Tobacconists' Fancy  
Goods & Shop Fittings. The Trade only supplied.  
Opening orders a Speciality. Send for Price List.

**SINGLETON & COLE, Ltd., Cannon Street, BIRMINGHAM,  
AND BRANCHES.**



## DO NOT FORGET

Our SPECIAL SAMPLE OFFER to  
send you one dozen Pocket Lamps,  
all different, to sell at from 10d. to  
3s. each, post free for 12s. 6d. net cash.

**ARCHIBALD J. WRIGHT, LTD.,**

Manufacturing Electricians,

41 BEECH STREET, BARBICAN, LONDON, E.C.



## CACHETS "PELTOT."

ALL  
SIZES 1/3 per 1,000 Plain or Embossed

Carriage Paid on orders for 5,000

Write for Samples to the Sole Agent:—

**CICERO S. CLARK, PHARMACIE FRANCAISE**

12 Richmond Road, Westbourne Grove, W.

## Dentistry

FOR CHEMISTS & DENTISTS

Write for  
Price List

**A.G. FENTIMAN**

190 BISHOPSGATE, LONDON, E.C.

## KEMP & CO., LTD.

(Established 1868)

Are prepared to undertake Indian Agencies for  
Proprietary and other Articles.

Correspondence invited by their sole English Agents:

**H. B. SLEEMAN & CO., 84 Leadenhall Street, London, E.C.**

## ARE YOU GETTING THE BEST RESULTS?

If NOT, try

## H. GARTHWAITE,

The Old Established Dental Mechanic,  
Crown Chambers, Goldsmith Street, NOTTINGHAM.

Write at once for Price List.

## EPSOM SALTS

DRUGGISTS' QUALITY  
IN ALL PACKAGES.

**WILLIAM BLYTHE & Co. Ltd., Church, Lancs.**

## FIGHT THE RAT PLAGUE !

AND MAKE MONEY BY SELLING

### FARMER'S "BAITED" PHOSPHOR PASTE.

Specially mixed, keeps well, sells well if you show it.

Thousands of chemists we can only get at by this ADVT.

TRY A DOZEN to-day from any wholesale house, money returned if it is not

best value offered.

In neat Pots - 3d., 6d., and 1/- sizes.

(FOR HOME AND EXPORT) Manufacturers,

**F. FARMER & CO., 1a College Lane Hemerton, LONDON, N.E.**



## THE ANTISEPTIC TARTAR REMOVER.

Shall we send Sales Scheme ?

**CHRISTY'S, Old Swan Lane, E.C.**



FOR PRICES OF  
**Surgical Dressings**

APPLY TO

NEW CHARFORD MILLS, BIRMINGHAM.

**W. G. TAYLOR,**

A Branch of Southall Bros. & Barclay, Ltd

(Established 60 Years.)

WHOLESALE ONLY.

Manufacturer of

LINTS, ABSORBENT  
COTTONS & GAUZES, at  
the MILLS, BIRMINGHAM  
and BROMSGROVE.



**J. H. HAYWOOD, Lim.**

*Surgical and Athletic Appliance Manufacturers.*

CASTLE GATE, NOTTINGHAM, and 16 SILVER STREET,  
WOOD ST., LONDON, E.C.

**SPECIALITIES FOR WINTER.**

CHEST PROTECTORS. CHAMOIS VESTS. LUMBAGO BELTS AND PADS.  
BELTS FOR LADIES AND GENTLEMEN, FOR WARMTH AND SUPPORT.  
Made in Fleecy Felt, Chamois, &c.  
SLEEPING SOCKS. MAGNETIC AND OTHER SOCKS TO PUT IN BOOTS. CHILBLAIN SOCKS.  
WRISTLETS AND ELBOW SUPPORTS  
IN INDIA RUBBER, LEATHER, &c, FOR GOLFERS AND HOCKEY PLAYERS.  
HOT WATER BOTTLE COVERS, in Felt, Flannel, Plush, &c. FOOTBALL & HOCKEY GUARDS.  
*invalids waited upon at their own Residence (by Lady Attendant) if wished.*

Established 1839.

"STAG" BRAND  
**SURGICAL DRESSINGS**

Absorbent Cotton Lints, Wools, Gauzes, Roll Bandages, either plain or medicated with Antiseptics according to the directions of Lord Lister.

Camgee Tissue, of which ROBINSON & SONS, LTD., are Sole Makers.

Robinson's Dressing (Patent)—Alternate layers of Absorbent Cotton Wool and Cellulose.

Robinson's Tissue (Patent)—Same, with External Gauze Layers.

Cellulose Wadding—Manufactured from pure White Pitch Pine Fibres.

Wood Wool Wadding—Pinewood Fibres intimately mixed with Absorbent Cotton Wool.

Wood Wool Tissue—Same with External Gauze Layers.

Aseptic Dressings of all kinds, packed under ROBINSON'S PATENT.

ABSORBENT SPONGES AND GAUZE PADS.

SANITARY TOWELS FOR LADIES.

Speciality—MENE TOWELS.

ACCOUCHEMENT SHEETS, Absorbent yet Waterproof.

32 x 32, 26 x 20, 24 x 18.

COMPRESSED DRESSING A SPECIALITY.

**ROBINSON & SONS, LTD.**

ARE ACTUAL SPINNERS, WEAVERS, AND BLEACHERS,

LONDON OFFICE:  
55 FANN STREET, E.C.

CHESTERFIELD.

**LESLIES, LTD.**

*Manufacturers of Plasters of every description for Home or Export.*

**SURGICAL PLASTERS**

Holland Strapping, all widths,

Rubber Adhesive Plaster on Spools

" Zinc Oxide " " "

**MEDICAL PLASTERS**

Lead or Rubber Base.

Plain or Porous.

Mustard Leaves. Court Plasters.

Sole Agents in Great Britain & Colonies for

Geneva Crepe Bandages.

TWO QUALITIES.

11 different widths.

**LESLIES, LTD.,**

18 Eldon Street, LONDON, E.C.



# ASHTON & PARSONS

## "UNIVERSE" SHOW CASE.

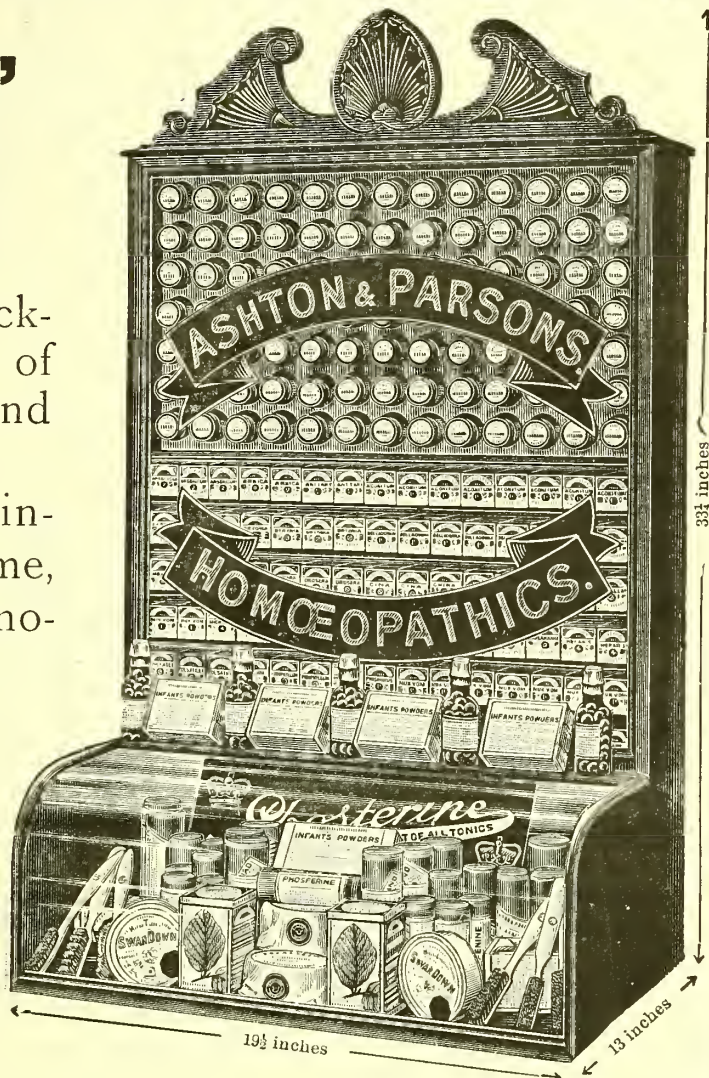
**FILLED** with a quick-selling assortment of large 1/- size Pilules and Tinctures.

Price, in London, including the handsome, beautifully-made mahogany Show Case,

### £2, 14, 4.

Compare this with the price charged by other makers, whose price is never less than £5.

We charge the actual cost price of the Show Case, plus the contents, at  $\frac{1}{6}$  per dozen, as follows:—




	£	s.	d.
Cost of Show Case ... ..	1	12	0
$8\frac{3}{4}$ dozen large 1/- size Pilules at $\frac{1}{6}$ per dozen ...	0	13	0
$6\frac{1}{4}$ " " " " Tinctures at $\frac{1}{6}$ per dozen	0	9	4
<i>Abroad and in the Colonies the price is necessarily higher to cover cost of freight, import duty, etc.</i>			
	2	14	4

You are not burdened with a lot of high-priced unsaleable Homœopathic Spécialities. The Case can be supplied empty if required at the actual cost price of **£1 : 12.**

When not stated the Case is invariably supplied to open at back. The cost of the Case to open at front would be **7s.** extra. All spaces are labelled to enable stock to be kept easily.

Write for Illustrated List post free to all parts of the world.

 Old Homœopathic Cases of other makers exchanged free of charge for new ones.

**ASHTON & PARSONS, LTD.,** La Belle Sauvage, **LONDON, E.C.**  
Ludgate Hill,

# 11/6

WILL BRING TO YOUR COUNTER

ONE DOZEN BOXES

## VALDA PASTILLES

The Huge Advertising we are doing just now, and which we intend doing all along the Winter Months, fully justifies the purchase.

A DOZEN BOXES OF VALDA WILL  
PROVE A QUICK-SELLING STOCK

DON'T BE TAKEN UNAWARES.  
AVOID DISSATISFYING CUSTOMERS,  
BY NOT STOCKING "VALDA"

---

*All Wholesalers Stock Valda. Showcards on Application.*

---

**VALDA Laboratories & Works,**  
13 HYTHE RD., WILLESDEN JUNCTION, LONDON, N.W.





# THE CHEMIST & DRUGGIST SUPPLEMENT.

OFFICE: 42 CANNON STREET, E.C.

SATURDAY, DECEMBER 7, 1912

A Copy of this Supplement is inserted in every Number issued of "The Chemist and Druggist."

## TO ADVERTISERS IN THIS SUPPLEMENT.

The Publisher desires to make it clear that advertisements of Businesses for Disposal and Wanted, Situations Open and Wanted, Exchange Column, &c., **MUST BE PREPAID** (except in the case of serial advertisers) and to ensure prompt insertion **REMITTANCES MUST ACCOMPANY INSTRUCTIONS.**

Advertisements for the current issue cannot be received after 4 p.m. on Thursday in each week. If it is necessary to telephone or telegraph an urgent announcement this may be done

**PROVIDED THE MONEY IS TELEGRAPHED**

at the same time and the fact made clear that the money order is to be delivered at 42 CANNON STREET, LONDON, E.C. Advertisers will assist greatly in the preparation and quick despatch of the Supplement by making careful note of these rules. Telephone: No. 852 Bank (two lines). Telegraphic Address: "Chemicus Cannon London." (Three words counted as two.)

It pays to pay for advertising  
in this Supplement

## CHEMISTS' TRANSFERS.

Messrs. ORRIDGE & CO., 56 Ludgate Hill, E.C.

May be consulted at their Offices on matters of SALE, PURCHASE, and VALUATION.

1.—LONDON (Favourite Residential Suburb).—First-class Retail and Dispensing Business; returns £1,500 (present rate), at good prices; the shop is situate at a corner, and is in a commanding position; well fitted and fully stocked; full investigation will be permitted; about £1,250 required.

2.—LONDON, E.C.—Neglected Business; established many years; returns about £700; net profit £193; books open to inspection; no immediate opposition; price £225, or near offer entertained.

3.—LONDON, S.E. — Special opportunity; for Disposal, good middle-class Retail and Dispensing Business, situate in good position; returns between £950 and £1,000 per annum, with excellent profits; handsomely fitted and well stocked shop; comfortable residence; new lease; immediate offer wanted; part payment entertained.

4.—LONDON, N. (Distant Suburb).—Good middle-class Retail and Dispensing Business; no immediate opposition; returns, under manager, £700 (about); well-fitted shop and very good stock; comfortable residence; small sum only required to purchase.

5.—LONDON, West End.—Dispensing and Retail Business; easily extended; good-sized house; full particulars on application; personal reference desirable; part payment entertained; vendor retiring.

6.—MIDDLESEX (Distant Suburb).—Death Vacancy.—For immediate Disposal, established Business; returns average £750; profits above the average of Retail trade; convenient business premises and residence; held on lease; offer wanted.

7.—LONDON, W. (Suburban).—Light Retail, Prescribing, and Photographic; returns average about £425, which produce a net profit of £150; house has 7 rooms, etc.; price £165, will suit young beginner.

8.—SUSSEX (Health Resort).—First-class Dispensing and Retail Business, facing the sea, and situate in fashionable locality; no immediate opposition; vendor leaving Drug trade will sell on very moderate terms to cash buyer.

9.—GOOD-CLASS TOWN ON L. & N.W. LINE.—Very good Business; capable of extension; situate in good position; returns exceed £1,200; net profit £325; price £750.

10.—WEST OF ENGLAND.—Unopposed Business; returns about £500; net profit £160; comfortable residence; rent £18; price £300; estimated value of stock and fixtures.

11.—WORCESTERSHIRE. — General Retail and Agricultural; well situated; returns £500 (profitable); convenient house and good shop; rent £26; price £300.

12.—ESSEX (Near the Sea).—For Disposal, half-share in two good middle-class Businesses; returns average about £1,700 per annum; gross profit £688; price for the half-share about £800.

13.—SURREY (Practically Suburban).—Death Vacancy.—Retail and Photographic trade; situated in one of the best business positions; returns, including small Branch, about £1,400; can be much increased; capital opportunity for modern trading; offer wanted.

14.—SURREY.—Unopposed Business, Family Retail and Dispensing, with Post Office attached; returns exceed £625 per annum; profits fully up to the average; convenient house, private entrance, small garden; nearest opposition two miles; price £500.

Particulars of any of the above will be furnished on application.

N.B. NO CHARGE TO PURCHASERS.

## VALUATIONS FOR STOCKTAKING.

Messrs. O. & Co. desire to emphasize the necessity of a Periodical Statement of Account, by which means alone Profit, the value of Business, &c., can be determined. Involving as this does the labour of Stocktaking and Valuation, it is often omitted, and eventually becomes the cause of confusion and loss.

Messrs. O. & Co. are prepared to undertake these essential duties, and will make Special Terms for such services.

ORRIDGE & CO., 56 LUDGATE HILL, LONDON, E.C.



# BRETT & CO.

*Licensed Valuers,*

**73 LAUREL ROAD, LEICESTER.**

Telegrams, "Brett Leicester." Telephone 1934.

**F. J. BRETT, M.P.S.**

**GIVES PERSONAL ATTENTION TO ALL VALUATIONS.**—**AGENCY.**—We have always a large number of *Buyers* on our books, and we can frequently find a purchaser at once. We also have a *Private Register* for vendors who are in no hurry to sell, and who do not wish their businesses to be advertised.

## STOCKTAKING SPECIALISTS to the Entire DRUG TRADE

- 1.—SCOTLAND.—First-class Dispensing Business; returns £1,600; 16,000 Prescriptions; price £1,600.
- 2.—TYNESIDE.—Light Family Retail, in good business position; death vacancy; returns over £1,200; price £500.
- 3.—DEVON (Coast).—Returns £1,185; net profit £350; price £980; main thoroughfare of prosperous town.
- 4.—MIDDLESEX (Death Vacancy).—Good-class Family Retail and Dispensing; net profit £300; rent £45; price £600, or near offer; good house.
- 5.—MANCHESTER AND DISTRICT.—Several really good-class Businesses for Disposal privately; prices £750 to £1,400, and showing net profits of £250 to £500; genuine buyers invited to write us.
- 6.—YORKS.—Good-class Retail and Dispensing; returns £1,500; double-fronted shop and large house; price £1,150, which is about value of stock and fixtures.
- 7.—MIDLANDS.—Light Retail for immediate Disposal on good corner position of prosperous town of 250,000 inhabitants; returns over £1,000; price £850; solely in our hands for disposal.
- 8.—BRADFORD. Returns £600; net profit £165; price £300.
- 9.—KENT.—Returns £1,400; net profit £313; valuation £750.
- 10.—MIDLANDS.—Light Retail, with Oils, Colours, Drysaltery, etc.; returns £3,000 under manager; lease; very old-established; plenty of scope; large, well-fitted shop; price £1,200.
- 11.—HULL.—Returns £740; net profit £250; price £450.
- 12.—DERBY.—Returns £960; rent £30; price £500.

## STOCKTAKINGS

undertaken in any part of the United Kingdom; satisfaction guaranteed; moderate charges only; write us.

# PARSON C. BAKER

**174 VICTORIA ST. LONDON, S.W.**

*Recommended by*—MESSRS. BARRON, HARVEYS & CO.

Telephone:

No. 27 Victoria.

MESSRS. MEGGESON & CO.

MESSRS. BAROLAY & SON, LTD.

Gives personal attention to all Commissions for Sale, Purchase, or Valuation on moderate terms; quotations free.

P. C. B. has had longer and more varied experience than any other trade valuer; actively engaged over 40 years, Wholesale and Retail, town and country, Dispensing and Agricultural; credit and cash and qualified to advise on any difficulty.

Vendors invited to send particulars, in confidence.

Purchasers stating requirements can have selection from Register of Businesses of all classes, sizes, or places from £50 to £2,000.

IN fashionable town, Midlands.—A good-class Dispensing Business; 3,000 new Prescriptions annually; returns £1,500; rent £100; or premises can be purchased; net profits £500.

IN capital town, Midlands.—Old-established Family and Cash Retail; returns £1,500; price, one year's net profits as goodwill and valuation of stock and fixtures.

MARKET town, Eastern Counties.—Good Agricultural and Family Business; returning £2,000; net profits £500; price £1,000; vendor retiring.

# TOMTOM

Telegraphic Address:

**THOS. TOMLINSON & SON.**

Chemists' Valuers and Expert Stocktakers.

Businesses transferred privately.

**45A MARKET STREET, MANCHESTER.**

We desire particularly to draw the attention of Colonial and Foreign Subscribers to the fact that in cases where they require partners, agents or assistants, or wish to sell their businesses, an advertisement in this Supplement, placed in every copy of "The Chemist and Druggist," should be the readiest means of helping them to attain their object. The tariff for such announcements is given under the appropriate headings in the Supplement Instructions and remittances can be sent to us direct or through the advertisers' correspondents in this country.

# MESSRS. BERDOE & FISH,

*Chemists' Valuers and Transfer Agents,*

**35 JEWRY STREET, FENCHURCH STREET, CITY.**

TELEPHONE: 1809 CENTRAL.

**Have the following Businesses for Disposal. (No charge to purchasers.)**

- 1.—SOUTH-WEST COAST<sup>1</sup> (Fashionable Resort).—High-class Business, returning over £1,400; net profit £400; in very best position; plenty of scope; handsome Pharmacy, heavily stocked; very good house; price £1,100, or offer; partnership entertained.
- 2.—HAMPSHIRE.—Light Family Retail and Dispensing Business, in good town; returning over £1,000; net profit £280; low rent; good house; well-fitted shop, heavily stocked; price £750, or offer.
- 3.—KENT. — Sound Light Retail Business, in best position; returns £1,400; net profits £314; books kept by accountant; good premises; own property; price valuation, about £750.
- 4.—SUSSEX COAST (Rising Resort).—Good-class Retail Dispensing and Photographic, in splendid position; returns £1,100; excellent premises; price, valuation, about £700.
- 5.—SURREY (20 miles out).—Light Retail and Dispensing Business, pleasantly situated; unopposed; returns £670; net profit £238; modern house, every convenience; price £500; recommended.
- 6.—ESSEX.—Profitable Suburban Retail and Prescribing Business; no cutting; same hands 20 years, retiring; returns £10 to £12 weekly; can easily be increased; price £225.
- 7.—LONDON SUBURB.—Good-class Cash Retail, in fine main-road position; returns £1,550; net profit £400; handsome shop, fully stocked; price £1,000, or valuation; trial allowed.
- 8.—KENSINGTON.—Good-class Dispensing and Light Retail Business; returns between £1,000 and £1,100; net profit £350; good position; well fitted and stocked; price £850.
- 9.—YORKS (Inland Health Resort).—First-class Retail and Dispensing; returns £1,500; good profits; splendid position; elegantly fitted and fully stocked; price £1,150; worth attention.
- 10.—HOME COUNTY (under 20 miles out).—Old-established good-class Business, with valuable Proprietaries; returns £1,040; good profits; central position of market town; commodious premises; price £800.
- 11.—DEVON COAST. — High-class Business in very best position; returns £890; net profit about £350; vendor retiring; unlimited scope in younger hands; price about £650; £200 can remain.
- 12.—CHESHIRE. — Unopposed good-class Business in rapidly growing district; returns £565; net profit £200; good house and garden; price £335; strongly recommended.
- 13.—DORSET.—Light Retail and Prescribing, with own Specialities and Dentistry; returns £670; net profit £284; low rent, on lease; good house; best position; fully stocked; price £550.
- 14.—BANKS OF UPPER THAMES.—Sound, good-class Retail; returning about £500; very profitable; scope for increase; low rent; attractive shop, well stocked; price for quick sale £350.
- 15.—VICTORIA STATION (near).—Light Retail and Dispensing Business, in splendid position; returns £1,050; scope for doing £1,500; price £650, or £100 and valuation.
- 16.—LONDON SUBURB, S.E. — Sound Family Retail and Prescribing Business; in same hands many years; returns average £900; net profit £257 after paying qualified assistant; main-road position; price £700.

**BUSINESSES WANTED.** We are in immediate want of sound concerns in all parts from £500 to £3,000. Cash buyers waiting. Strictest privacy guaranteed. Intending vendors cordially invited to write for our terms. No sale, no charge.

**VALUATIONS FOR STOCKTAKING.** Have you read our pamphlet on the necessity and advantages of Stocktaking? It should be read by every Chemist in business. Sent free on application, together with our new and revised forms. 42 years' practical experience.



## BUSINESSES for DISPOSAL

8s. 6d. for 50 words or less; 6d. for every  
10 words or less beyond, prepaid.

### COLONIAL BUSINESSES.

We call the special attention of our Colonial subscribers to the opportunity this Supplement affords when they wish to dispose of their Businesses, of getting into touch with likely buyers either at home or in the Colonies.

LETTERS in reply to Advertisements may be addressed to this Office, and will be forwarded to the Advertiser for an additional charge of 6d.

Trade circulars, samples, and printed matter can in no case be forwarded.

**GLAMORGANSHIRE.**—For immediate possession, small genuine Retail; will bear investigation; not compulsory disposal; suit enterprising qualified; ample scope for increase; recently refitted; industrial district; every facility offered suitable purchaser; good living accommodation; moderate rental; fair valuation stock and fixtures, without goodwill; particulars given to bona-fide purchasers. Dryden, Pharmacist, Landore, Swansea.

**LANCASHIRE.**—Mixed Retail; main street; well fitted and stocked; returns nearly £1,000; Wine and Spirit Licence; no Spirits included in above return; full investigation allowed; will sell at valuation. Apply, "Oxo" (21/3), Office of this Paper.

**LONDON, S.W.**—Only opened 4 months; under management already taking £4 a week; trade increasing, all profitable, and should be greater under own supervision; rent £24; 6 rooms; double-fronted; thickly populated district; price all at £100. "Retail" (22/19), Office of this Paper.

**LONDON, S.E. (near Railway Terminus).**—Cash Retail, Prescribing Drug Stores; old established; exceptional opportunity for qualified man with capital of £350, for immediate sale; under management; lock-up shop; returns 1911 £520; further details given by personal appointment; bona-fide buyers only entertained. 27/11, Office of this Paper.

**MANCHESTER (near).**—Profitable Chemist's Mixed Business; established 60 years; working-class district; business chiefly Prescribing, Extracting; very few Patents; turnover £400; rent £30; owner taking another business will accept £60 for everything; stock and fixtures worth much more; no old stock; suit middle-aged man; good position for Insurance Dispensing. 23/2, Office of this Paper.

**MANCHESTER.**—Exceptional opportunity; prominent corner, main road; thickly populated neighbourhood in proximity of three theatres; smart Chemist's business, has done £20 under manager; could be made a little gold mine under personal supervision; turnover last 3 years £2,200. Apply, 23/11, Office of this Paper.

**MIDLANDS.**—Suburban Business; newly fitted; good house and garden; no old stock. Apply, 22/26, Office of this Paper.

**OLDHAM.**—Returns over £800; could be largely increased by energetic young owner; very good house, with side entrance; commanding shop, in main street; price, valuation. Apply, Thos. Tomlinson & Son, Chemists' Valuers, 45a Market Street, Manchester.

**SOUTH CHINA.**—Very old-established Chemist's and Druggist's Business for Sale; old age sole cause of disposal; British subjects to be qualified Chemists and Germans must possess certificate of Government examination; capital required £1,000 and upwards. Apply to Bobers & Schrader, 13 Crutched Friars, London, E.C.

**SOUTH COAST.**—Good-class Dispensing and Light Retail Business, enjoying a steady all-the-year-round trade; over 4,500 private scripts dispensed yearly; turnover between £850 and £900; low rent; premises stand well, with no fear of further opposition; will accept £400 for early sale. Apply, "Soloid" (26/150), Office of this Paper.

**SOUTH WALES.**—For immediate Sale, a Light Retail and Photographic Business, situated in a populous suburb of a large town; returns under management about £1,000; good house and garden attached. Apply, 149/8, Office of this Paper.

**SOUTH YORKSHIRE.**—Splendid opportunity for young man; compact, well-organised Wholesale Sundries, etc., and Perfumery Business, with several well-known and valuable Proprietaries, to be sold as a going concern; present proprietor retiring through age; excellent connection in North England, Scotland, and Ireland; workable with small capital; price about £2,000. Apply, 23/6, Office of this Paper.

**TORQUAY (near).**—High-class Retail, in splendid position of rising seaside town; returns approach £900, and the net profit is about £350; rent moderate; vendor established the business nearly a quarter of a century ago, and is now retiring; price £650; £200 may remain to a suitable applicant. "Devonian" (148/57), Office of this Paper.

**WEST OF ENGLAND (Market Town).**—Good Family Retail, Agricultural and Dispensing Business; established many years; suffering through continual ill-health; turnover exceeds £1,500, and capable of further increase; well fitted; central position; excellent stock; rent low; price £1,000; thoroughly sound; only cash buyers entertained. Address, "Eureka" (26/15), Office of this Paper.

**YORKSHIRE.**—Chemist and Druggist, Wakefield.—Old-established, thriving Business; smartly fitted shop; trade £800-£900; family house attached; cash price £650, or valuation accepted. Firth & Co., 9 Albion Street, Leeds.

**A SMALL Country Business** in a healthy, pleasant Village; no opposition; good house and garden; good reasons given for disposal and trial allowed; a sure living for two; lowest price £200. Address, 22/32, Office of this Paper.

**FOR immediate Sale, genuine Cash Business,** at valuation of stock and fixtures; turnover £400; large district; scope for large increase of business; convenient modern house, private entrance. Apply, 23/1, Office of this Paper.

**FOR Sale, Lancashire Coast, Chemist's Retail and Prescribing Business,** established 2 years, in rapidly developing district; good opening for Optics and Dentistry; modern house; electric light throughout; bargain for quick sale. Davies & Crane, Chartered Accountants, Southport.

**GENUINE Country Business for Sale, Midlands; Agricultural and Farming;** old established; good opening for Optics and Dentistry; turnover averages £500 yearly; large house and shop, on lease; rent £35; price £300 cash. Apply, 23/8, Office of this Paper.

**GENUINE Business for Sale** in central position of busy North Midland town; sole reason for selling, impaired health after serious illness; returns between £900 and £1,000; excellent profits; one Speciality nearly pays a rent; good house and premises; seller owns property. Apply, "Chemists," Messrs. Evans & Co., Hanover Street, Liverpool.

**LIGHT Retail;** not long established; making £3 net weekly profit on average weekly turnover of £11; good position; well fitted; grand chance for beginner; owner retiring from the trade will accept valuation. 149/22, Office of this Paper.

**OLD-ESTABLISHED Chemist's and Druggist's Business for Disposal** in the Midlands; splendid opportunity; returns under manager over £3,000; good saleman could considerably increase; good window; price asked £1,200. Further particulars from 148/55, Office of this Paper.

## BUSINESSES WANTED.

**ADVERTISER** is open to buy for cash working-class or middle-class Retail; without Photographics preferred; no objection Mixed or Veterinary; Metropolitan, 30-mile radius, or South of England or Midlands; moderate rent. Offers, stating ordinary particulars of turnover, terms, etc., to "Manganates" (26/25), Office of this Paper.

**WANTED, genuine Business,** showing net profit not less than £200; good house attached; West or South preferred. Apply, "Confidence" (24/7), Office of this Paper.

## SALES BY PRIVATE TREATY.

### CHEMIST'S BUSINESS FOR SALE.

**FOR SALE, by private offer,** that old-established Chemist's and Druggist's Business at 58 Baker Street, Stirling, successfully carried on by the late Mr. John Livingstone for nearly 40 years. The business is situated in a populous area, and has been established in the present premises for over 60 years. Particulars of turnover, stock, etc., will be supplied on application to Messrs. Yellowlees & Cairns, Solicitors, Stirling, with whom offers should be lodged on or before December 16 next.



## SALES BY AUCTION.

Re H.Y. MOTSON, BENTLEY, DONCASTER, DRUGGIST AND OPTICIAN.

By Order of the Trustee under a Deed of Assignment.

**J. D. BUTLER & SON**, instructed by A. H. Brock, Esq., Trustee of the above estate, will **SELL** by **AUCTION**, at their Mart, Nether Hall Road, Doncaster, on **MONDAY** and **TUESDAY**, December 16 and 17, the whole of the Stock of Drugs, Patent Medicines, Sundries, Optical Goods, Bottles, Shopfittings, including Southall's Wall-case with bevelled-glass front, Dispensing-screen, Shelving, Show-case, Desk, Cash Till, Counter, 7 ft. 6 in. Sale each day at 2 o'clock.

## FOR SALE.

**FOR** Disposal (cheap) a quantity of Shop-rounds, Ointment Jars, Carbonyls, Counter Case and odd Fittings; to be seen on the premises. "B," 3 Great Russell Street, Bloomsbury, W.C.

**FULL** Stock Optical goods for Disposal; very fine Sight-testing Case, nearly 200 pairs Frames, mostly gold; small Show-case, Lenses, Cases, Velvet Stands, etc.; accept £35. 11/27, Office of this Paper.

**OVERSTOCK**.—Perchlorate of Potash, 1 cwt.; reasonable offer accepted. 19/5, Office of this Paper

**SHOPFITTINGS**.—14-ft. Drugfitting, 100 Drawers, Shelves above, Lockers below; Mahogany and Plate-glass Counters, fitted Drawers at back, 12 ft. (2), 10 ft. (2), 8 ft.; also 6-ft. Dispensing-screen, Counters, Cases, Perfumery-cases, Sponge-cases, Standards, Bins and Brackets, Carbonyls, Mirrors, etc.; bargains to clear. Took, 120 High Road, Tottenham (Stamford Hill Terminus).

## AGENCIES.

**INDIA**, Ceylon, Egypt, and the Mediterranean.—Successful travelling Representative, already representing leading houses, is open for additional Agencies of repute and non-clashing interests; terms, share of expenses and commission; all principal business centres worked; Hospitals, Doctors, Chemists, and leading Stores; no Drug house need apply. "Temporibus" (135/28), Office of this Paper.

**MEXICO**.—Good Commercial Agency wanted by enterprising Englishman of good credentials; 12 years' Mexican experience; full acquaintance language and trade customs; excellent opportunity for British firm; returning about January. Address, in confidence, "Mexico," c/o Potter's Advertising Offices, Koh-i-noor House, Kingsway, London.

**ENGLISHMAN** (29), speaking fluently French, Spanish, and sufficient German, at liberty January; has had entire organisation of foreign Patent Medicine and is fully acquainted with general Continental Advertising; good connection amongst principal Chemists in France, Belgium, and Switzerland, and having modern office in Paris, invites correspondence from serious and desirous of extending Continental business. 19/4, Office of this Paper.

**I WANT** the Agency of Chemical Manufacturing Works. Gustav Parmentier, Frankfurt-on-Main.

## TENDERS.

COUNTY BOROUGH OF SALFORD.  
DRUGS, MEDICAL AND SURGICAL APPLIANCES.

**TENDERS** are invited for the supply of the above-mentioned articles.

Full particulars from the Medical Superintendent, Ladywell Sanatorium, Eccles New Road, Pendleton.

## PARTNERSHIPS.

**SHARING** Distribution.—Manufacturers of a well-known Vermin-killer would like to co-operate with advertisers of a non-competitive article by sharing expenses in house-to-house distribution; the work to be done under direct control of parties interested, not by distributing agencies. 147/66, Office of this Paper.

## SITUATIONS OPEN.


8s. 6d. for 50 words or less; 6d. for every 10 words or less beyond, prepaid.

**NOTE**.—Replies can be addressed to this Office and forwarded to the Advertiser for an Additional charge of 6d.

### RESULTS

OF ADVERTISING IN THIS SUPPLEMENT  
LAST WEEK NOV 30 1912  
NATURE OF ADVT.      REPLIES

DOCTORS DISPENSER	29
BRANCH MANAGER & ASSISTANT	19
COUNTRY REPRESENTATIVE	17
QUAL. MANAGER	16
TRAVELLER (DRUGS, ETC.)	15
WET FLOOR ASSISTANT	14



This Blackboard demonstrates that Advertisers using these columns get a ready response to their announcements. The figures only refer to some of the letters RECEIVED AT OUR OFFICE on behalf of Advertisers who use a number or nom de plume.

### TO SAVE TROUBLE.

MANY correspondents answering advertisements in this Supplement enclose remittances to cover the cost of forwarding their letters to advertisers who prefer to be addressed c/o this Office. The Publisher desires to make it clear that this is quite superfluous, and perhaps this reminder will obviate the necessity of the frequent return by him of such remittances.

### ANSWER IN TERMS OF THE ADVERTISEMENT AND

**REMEMBER** you are one of possibly hundreds applying for the same position. Put your case before the advertiser so that he may be able to form a **MENTAL PICTURE** of your suitability.

**BE BRIEF BUT CLEAR**.—Millions of applications are consigned to the waste-paper basket **UNCONSIDERED**, because the reader cannot form this picture from the inadequacy of the materials set before him.

### RETAIL.

**BARNSTAPLE**.—Wanted, December 16, an experienced Assistant; outdoors; 1 kept; short hours; no Sunday or Bank Holiday duty; must be good Counterman and Window-dresser, with knowledge of Agricultural and Photographic trade. State full particulars and enclose photo to E. Proudman, 1 High Street, Barnstaple.

**BIRMINGHAM**.—Qualified Managing Assistant wanted for quick Cash business; good Extractor essential. Apply, with usual particulars, salary required, and references, to 148/33, Office of this Paper.

**BRIDLINGTON**.—Wanted, a good reliable outdoor Assistant; Dispensing and Photographic experience; a good Salesman and Window-dresser; active and well recommended. References and photo, with salary and full particulars, to J. V. Mainprize, Pharmacist, 23 King Street, Bridlington.

**BRIGHTON**.—Dispenser (Apothecaries' Hall).—Wanted, immediately, a resident Lady Dispenser; average time of duty 3 hours daily; salary £15 per annum. Apply, stating age and qualifications, with not more than 3 testimonials, to Secretary, Throat and Ear Hospital, Church Street, Queen's Road, Brighton.

**CAMBERLEY**.—Gentlemanly Assistant, about 26, for good-class Dispensing business; competent and trustworthy; easy hours; outdoors. State fullest particulars and salary required, H. Coates, Pharmacist, Camberley, Surrey.



**CARDIFF.**—Wanted, for Drug Stores, Assistant; qualified; abstainer; outdoors. Williams, 20 James Street, Bute Docks, Cardiff.

**CHELLENHAM.**—Junior Assistant or Improver wanted (indoors, one only kept), for Light Retail, Dispensing, and Photographic business; no Extracting required. In reply please state age, height, experience, reference, and salary required, with photo (if convenient), to Arthur Hill, Chemist and Dentist, 98 High Street, Cheltenham.

**CITY, E.C.**—Qualified Manager wanted immediately, about 30; outdoors; first-class experience essential. Address, 26/16, Office of this Paper.

**CROWBOROUGH.**—Wanted immediately, capable Assistant, with good knowledge of Dispensing and Photography. Apply, stating age, experience, salary (indoors), and enclose photo, G. H. F. Dier, M.P.S., Pharmacist, Crowborough.

**LONDON, S.W.**—Competent Assistant required, about 23 or 24 years of age (outdoors). Apply, personally or by letter, to Foster & Dallas, 1 Lavender Hill, S.W.

**LONDON.**—Wanted, in a large Retail establishment, a Lady Assistant, about 25 years of age, competent to measure for Elastic Stockings, Belts, Trusses, etc. Write, stating age and experience, to "Chemist," 1026, Sell's Office, Fleet Street, London.

**LONDON, N.W.**—Experienced Assistant, preferably qualified, and Optical knowledge desirable; highest references; good appearance and address; outdoors. Photo and usual full particulars to Brickell & Jones, 295 High Road, Brondesbury, N.W.

**LONDON, W.**—Junior (indoors), not under 21, for good-class Retail and Dispensing business; at once or after Christmas. Apply, with full particulars, stating salary required, to W. A. Weston, 8 Sandringham Parade, Ealing.

**LONDON, W.**—John F. Harrington, 15 Kensington High Street, requires a Junior Assistant by December 30; kindly apply, with full particulars, age, height, and salary required (outdoors), also when disengaged, enclosing photo (to be returned); personal application preferred when convenient.

**LONDON, S.W.**—Wanted, competent, gentlemanly Assistant (outdoors, 2 kept), accustomed to good-class Retail and Dispensing with Photographic. State age, height, salary, and particulars of experience to "Southside" (22/16), Office of this Paper.

**LONDON, S.E.**—Wanted, for about January 1, an unqualified Assistant (outdoors) for a permanency; must be a thoroughly experienced Dispenser and well up in the general routine of a good-class business. Apply, stating age, salary required, experience, and when disengaged, 25/19, Office of this Paper.

**LONDON, W.**—An experienced qualified Assistant, not over 30, wanted at once; outdoors. Full particulars to 149/12, Office of this Paper.

**MAIDSTONE.**—Gentlemanly Assistant soon as possible, qualified; well up in Dispensing, Photography, and General Retail. Apply, stating age, height, reference, photo, salary, etc. (indoors), to Stonham & Son, Maidstone.

**MANCHESTER.**—Junior Assistant for good-class Retail and Dispensing business. Apply, with full particulars, to Edwards, Pharmaceutical Chemist, Fallowfield.

**NEAR Liverpool.**—Unqualified Assistant for Dispensing and Photographic business; none but those with high-class experience need apply; outdoors; send photo and usual particulars; could arrange part-time for study in winter months. "Wirral" (23/34), Office of this Paper.

**ST. MARY'S HOSPITAL, Paddington, W.**—Wanted, a Junior Assistant Dispenser; Minor qualifications; ladies ineligible; salary £85 per annum, with luncheon and tea. Applications, stating age and experience, and accompanied by copies of not more than three recent testimonials, to be sent in to the undersigned on or before December 14. Thomas Ryan, Secretary.

**ALSOP & QUILLER, 137 Sloane Street, S.W.,** require a qualified Assistant, about 24, accustomed to first-class business; duties chiefly Dispensing; to live out, but sleep in. Apply to A. Wigginton as above.

**ASSISTANT (unqualified)** wanted after Christmas for high-class Dispensing business in one of the best, old-established Chemist's shops in the Midlands; no Sunday duty; Lady Assistant also wanted. State age, wage, and experience, photo, to The Oxford Drug Co., Ltd., Oxford.

**ASSISTANT** wanted, after Christmas, for Dispensing business on South Coast; age about 23; knowledge of Dispensing essential; outdoors. Apply, stating salary required and experience, to 24/8, Office of this Paper.

**DAVIES & JOHN, Chemists, Bath,** require immediately the services of an Assistant, about 23; must have had experience in good-class Dispensing business. Full particulars, with salary (outdoor), to Mr. John.

**FRANCIS & CO., Pharmacists, Wrexham,** have a vacancy for a good Counterman and Salesman, with Store experience; outdoors; reasonable hours; personal interview desired.

**IMMEDIATELY.**—An active Junior Assistant, qualified; outdoors; good Counterman and reliable Dispenser; personal application preferred. Worth, 5 Amwell Street, Myddleton Square, E.C.

**IMPROVER or Junior** wanted; indoors; Welsh-speaking preferred. State salary, age, height, references, and send photo, Gwillim, Chemist, Brecon.

**IMPROVER, unqualified, wanted; steady, obliging, and reliable; outdoors; South Wales.** Apply, "X. Y. Z." (21/34), Office of this Paper.

**JUNIOR** wanted for a few weeks; probable permanency. State age, experience, salary, etc., Sherwood, Pharmacist, Urmoston, Manchester.

**JUNIOR or Improver, at the end of the year, for Country business in West of England; outdoors, but breakfast, dinner, and tea provided except Sundays, and breakfast and dinner only on Thursdays; whole holiday monthly; no Sunday or Bank Holiday duty. State salary required and send photo, "Amati" (21/38), Office of this Paper.**

**JUNIOR Assistant** required for modern Cash business, age about 25; must be a good Counterman and Dispenser and be able to produce undeniable references. State whether married and salary required, 11/300, Office of this Paper.

**JUNIOR Assistant** required in a good-class Light Retail and Dispensing business; outdoors; no Sunday duty; preference given to one who has passed Preliminary examination. Please give particulars of training and experience and state when disengaged, Phillips, Ph.C., Lichfield Street, Wolverhampton.

**JUNIOR Assistant, unqualified, 20 to 22, wanted immediately for a good-class Dispensing and Retail business. Full particulars of salary, experience, and references, with photo if convenient, to Hawley & Son, Dispensing Pharmacists, Aigburth Road, Liverpool.**

**JUNIOR or Improver.**—Wanted, smart young man for Country Seaside town, one who is well up in Dispensing and good worker. Apply, giving full particulars and stating salary required (indoors), to "Caffein" (146/60), Office of this Paper.

**JUNIOR, unqualified, wanted; quick and obliging Counterman and good Window-dresser and Stockkeeper; knowledge of country and Agricultural trade desirable; short hours; no Sunday duty. State age, height, references, and salary required in first letter, 23/3, Office of this Paper.**

**JUNIOR** wanted at once, about 23, for good-class Retail and Family and Photographic business; no Sunday duty. State when disengaged and give full particulars and salary required (outdoors), Shillcock & Sons, Bromley, Kent.

**JUNIOR Assistant** wanted, accustomed to good-class Retail trade; personal application preferred; outdoors. Apply to James Lloyd, 125 St. John's Hill, Clapham Junction, S.W.

**JUNIOR Assistant** wanted (indoors), with knowledge of Photography. State full particulars in first letter, references, salary required, age, photo, and experience, Williams & Smith, Chemists, Horsham.

**LADY Dispenser.**—Required, several Lady Dispensers, who have been in the employ of Doctors during the past 3 or 4 years. State age, experience, salary required, and references, to 11/30, Office of this Paper.

**MANAGER, qualified, for Branch; good Salesman and Window-dresser.** Hayward, Redfield, Bristol.

**MANAGER** wanted for Branch business in working-class neighbourhood; district N.E. London; must be good Prescriber, energetic, and of strictly sober habits. Apply, 278 Bishopsgate, London, E.C.

**OWING** to death of proprietor, an elderly qualified man, single and energetic, is required in a Mixed Country business; good references required; salary must be moderate; comfortable home; permanency. Letters in first instance, with full particulars, to "Chemistry," 8 Canynge Square, Clifton, Bristol.

**QUALIFIED Assistant** for Branch in Colliery district, early January; Welsh-speaking; abstainer; permanency; good references. State age, salary, etc., to "Cymro" (21/28), Office of this Paper.



**QUALIFIED Branch Manager;** good Mixed business; married, or single; live on or off premises; view to succession entertained. Fred Barlow, M.P.S., Balsall Heath, Birmingham.

**QUALIFIED Assistant,** young, experienced, etc., wanted immediately. W. Jones & Co., 134 Southampton Row, W.C.

**QUALIFIED Branch Manager** for Channel Islands; active, young abstainer; Photo knowledge; hours easy; no Sunday; permanency if suitable. State age, height, experience, references, and salary required to 26/5, Office of this Paper.

**QUALIFIED Branch Manager** required. Apply, personally if possible, Boutalls, Ltd., 150 Southampton Row, London, W.C.

**QUALIFIED Assistant,** under 30, for Dispensing business. State usual particulars, salary required (indoors and outdoors), enclosing photo, to Williams, 81 Calverley Road, Tunbridge Wells.

**SMART** unqualified man required to take charge of Branch; one who has been with a Doctor during the last 3 or 4 years and had previous experience with a Retail Chemist preferred; must be married and of exemplary character. 11/03, Office of this Paper.

**UNQUALIFIED Manager** required for Drug Store already doing well and offering scope for increased business; must be married, a good Counterman, and be able to produce undeniable references. State age and when at liberty, 21/25, Office of this Paper.

**WANTED,** a well-educated youth for a good Country Dispensing and Family business; excellent opportunities for learning the business; two or three years' apprenticeship; no premium required and a comfortable home; time given for study and recreation daily; short hours: half-day weekly; health resort. Clark, Chemist, Malvern Wells.

**WANTED,** unqualified Assistant, about 22 years (indoors), accustomed to Dispensing business; duty between 3. Hornblow & Son, Chemists, Worcester.

**WANTED,** for January 1, reliable unqualified Assistant, 25 to 30, for Agricultural business; would be required to travel the district 1 day in the week; applicants to state full particulars of experience, references, etc.; personal interview. Exors. Jevons, Market Rasen.

**WANTED,** in a good-class business, a reliable Assistant; good Salesman, quick and active Counterman. Apply, with reference and photo, to Ridley, Carlisle.

**WANTED** (indoors), qualified Assistant, or one unqualified having good Dispensing experience; state full particulars, salary, etc., enclosing photo (to be returned). Apply, "Dido" (22/37), Office of this Paper.

**WANTED** at once, Assistant to Manage Branch; young man preferred; energetic and good Salesman. Apply, by letter only, to "M. J. F." 25 Victoria Street, W.

## WHOLESALE.

**DESPATCH Counter.** — A smart, accurate man wanted to take control by a firm of Manufacturing Chemists in Midlands. Send fullest details as to experience, age, wages, etc., to 149/11, Office of this Paper.

**EXPERIENCED Packer** wanted for Export and Country Packing in the Wholesale Drug trade. Reply to 19/25, Office of this Paper.

**GENTLEMAN** with Medical and Pharmaceutical knowledge and business enterprise to take charge in January of Mail Order introduction to the Medical profession; salary and good commission; professional enthusiasm at last Medical Exhibition makes prospects reasonably sure; permanent and remunerative post for thoroughly capable, trustworthy man. Apply, giving full details age and experience, suggest salary and commission required, to 145/54, Office of this Paper.

**LABORATORY Experience Necessary.** — Wanted, a really capable young man, not necessarily qualified, with a good knowledge of Pharmacy and thoroughly capable of preparing Standardised Solutions and Bacteriological Stains, able to undertake Urine, Water, and general Analyses. Apply, "H. B. Macdonald" (24/10), Office of this Paper.

**LEDGER Clerk** wanted; must be thoroughly quick and experienced at figures and a good penman; preference given to one with previous experience of the Wholesale Drug trade, but this is not essential. Apply, Secretary, Devon Wharf, Emmott Street, Mile End, E.

**REPRESENTATIVE** wanted for an old-established Perfumers and Soap-makers for North of England and Midlands, or London. Apply, with fullest particulars, to 148/14, Office of this Paper.

**SCIENTIFIC-INSTRUMENT Trade.** — Wanted, a smart young Pharmacist, of good appearance, manners, and address, of superior education; must be a capable Salesman, methodical, and possess a liking and knowledge of the Instruments and Apparatus required in the teaching of Chemistry, Physics, etc. Apply, with photograph, "Vernon Mackay" (24/100), Office of this Paper.

**TABLET Room.** — Wanted, a man accustomed to Tablet-making and Sugar-coating. Address, stating age, experience, and wages required, to "E." (148/13), Office of this Paper.

**WANTED,** a man accustomed to working both a Mash Tnn and Vacuum Plant in the Manufacture of Melt Extract. Apply, stating age, previous experience, and wages required, to Hovis Co., Macclesfield.

**WANTED** early in January, energetic men to call on General Shopkeepers in Lancashire, Yorkshire, and other districts, to sell Drugs and Proprietary articles; salary, expenses, and commission; preference given to active men who have been successful in this class of trade. State age and full particulars, with references, 8/1, Office of this Paper.

**WHOLESALE Druggists' Town Counter.** — Wanted, for South Africa, smart man to take charge of Wholesale Town Counter; unmarried; age about 30 years; salary £168 first year, £180 second year, £192 third year; outdoors; passage paid out. Apply, by letter only, "T. C.", 12 Lafone Street, London, S.E.

**YOUNG Lady** as Head Finisher in Wholesale Chemist's Manufacturing Department; duties, to inspect and pass piece work and assist in control; permanent and progressive position to one of good general experience. State fully age, last employment, and wages required to "F. J. G." (26/14), Office of this Paper.

## SITUATIONS OPEN

(Colonial, Indian, and Foreign).

**2s. 6d. for 50 words or less; 6d. for every 10 words or less beyond, prepaid.** Replies addressed to this office will be forwarded to the advertiser for an additional charge of 6d.

**CAPE COLONY.** — Junior qualified Assistant required for a Coast town good-class business, under 26 years of age; unmarried; salary (outdoors) £15 per month first year, £16 second, £17 third; 3 years' agreement; second-class passage. Apply, by letter only, "L.", 14 Lafone Street, London, S.E.

**COLOMBO.** — Qualified Assistant, Minor, for one of the best houses in Ceylon; a good opportunity for an energetic man 23 to 25 years of age; must be a good Salesman, single; a knowledge of Optics will be an advantage, although not absolutely necessary; 4 years' agreement; salary Rupees 225, 250, 275, and 300 per month; night commission allowed, which amounts to about Rs. 45 per month; sleeping accommodation also provided. Apply, with photo and all particulars, to "Colombo" (132/38), Office of this Paper.

**INDIA.** — Qualified Assistant (Minor) wanted at once for one of the best houses in Calcutta; must be single, age under 25, and have had first-class experience; character must bear strict investigation; 4 years' agreement; passage paid both ways; salary first year Rs. 225, second Rs. 250, third Rs. 275, and fourth Rs. 300 monthly. Apply, giving full particulars of experience, to 6/4, Office of this Paper.

**INDIA.** — Wanted, about February, by a first-class Wholesale firm, a Laboratory Assistant; good prospect for competent man, to take sole charge, if required; preference given to a qualified Chemist. Full particulars of age, experience, references, etc., to "Laboratory," c/o Deacon's, Leadenhall Street, E.C.

**RHODESIA.** — Wanted, qualified Assistant; 3 years' agreement; salary £20, £22 10s., and £25; first-class Dispensing; knowledge of Photography an advantage; sleeping accommodation provided. Apply, with photo and all particulars, to "Rhod." (132/308), Office of this Paper.

**ASSISTANT.** — Good opportunity for a qualified Junior in first-class Cape Town business; must be single, a neat and careful Dispenser, and produce best references; 3 years' agreement; salary £15, £16, and £17 per month for 3 years; second-class passage paid out and sleeping accommodation provided. Apply, with photo and all particulars, to "Cape" (132/380), Office of this Paper.

**FOR India.** — Young Pharmacist wanted by Pharmaceutical firm of high standing to interview Medical Men in India; knowledge of German desirable. State age, experience, salary required, etc., to 16/12, Office of this Paper.

**MESSRS. A. S. WATSON & CO., LTD.**, of Hong Kong and Treaty Ports of China, will have vacancies in the early part of next year for one or two qualified Assistants; they must have had first-class Dispensing experience and not be more than 27 years old, and not married; liberal terms for the right men. Address, "Export," 64 Crutched Friars, E.C.



**QUALIFIED** Assistant wanted for India; married preferred; age 26 to 30; total abstinence; fully competent to do his own Compounding when necessary; 4 years' agreement; salary Rupees 250, 275, 300, 325; passage paid out. Apply, giving full particulars, to 26/36, Office of this Paper.

**WHOLESALE** Druggists' Town Counter.—Wanted, for South Africa, smart man to take charge of Wholesale Town Counter; unmarried; age about 30 years; salary £168 first year, £180 second year, £192 third year (outdoors); passage paid out. Apply, by letter only, "T. C.," 12 Lafone Street, London, S.E.

## SITUATIONS WANTED.

1s. for 12 words or less; 6d. for every 10 words or less beyond, prepaid.

**NOTE.**—Replies can be addressed to this office and forwarded to the Advertiser for an Additional charge of 6d.

### [HOME.]

#### RETAIL.

**A** S Locum; disengaged; qualified; reliable; good experience. "Rhef," 22 Thorpebank Road, Uxbridge Road, W.

**A** SSISTANT; 28; first-class Dispenser; nearly 14 years' good-class experience; Photography; disengaged. Webb, 55 Queen's Road, East Grinstead, Sussex.

**A** SSISTANT; good experience; competent; reliable; outdoors; disengaged; permanency. "S.," Ingeldene, Cher, Minehead.

**A** SSISTANT; 26; West-End experience; outdoors; excellent references. "Medinal," Waldorf Pharmacy, Aldwych.

**A** SSISTANT; disengaged; capital Prescriber, Counterman, Window-dresser; in- or out-doors; highest references; London or country; would Manage Branch. "Reliable," 283 Elgin Avenue, Maida Vale, W.

**A** T once, Branch Manager or Assistant; energetic; 17 years' experience. "Immediate," 3½ Salt Mill, Saltash.

**B** RANCH.—Senior; 20 years' practical experience; Speciality, Prescribing, Dispensing, Veterinary, Extractions, Photography; outdoors; permanency; easy hours before salary. "M.," Granville House, Willenhall.

**B** RANCH Manager; Prescriber, Dispenser, Photographer, Dental Operator. "Painless" Extraction, Impressions; good traveller. 23/31, Office of this Paper.

**C** APABLE and reliable man; permanency town, Locum town or country; good Prescriber, Dispenser; extensive experience; excellent references. Forster, 5 Coleridge Road, Finsbury Park, N.

**D** ISENGAGED; Stockkeeper, Counterman, Window-dresser; 28; tall; outdoors. Lucas, 14 Cuthbert Street, Edgware Road, W.

**D** ISENGAGED; Manager; 27; Coast preferred; all-round experience. "S.," 49 Osney Crescent, Camden Road, N.W.

**D** ISPENSER; Lady; Hall qualifications; Medical Bookkeeping and Bandages; good testimonials. Write, Box 0078, Scripps Advertising Offices, 13 South Molton Street, W.

**E** VENINGS 6.30 p.m., Saturdays 3 p.m.; Dispensing and all-round experience. 5 King's Avenue, Hounslow Town.

**E** VENING help; N. district; willing, obliging. "Chemicus," 106 Liverpool Road, Islington.

**J** UNIOR; 21; 3½ years' Retail, 6 months' Wholesale (Evans); well educated; non-smoker, teetotaler; industrious; Retail, or Doctor's Dispenser. "Lena," 62 Grove Road, Rock Ferry.

**J** UNIOR; 19; height 5 ft. 7 in.; 5 years' experience; Counter, Dispensing, Window-dresser; Manchester or district. 24/2, Office of this Paper.

**L** OCUM or temporary; qualified; 28; disengaged 9th. "Chemist," 5 Norland Square, Holland Park, W.

**L** OCUM; permanency preferred; unqualified; Hall qualifications; town or suburbs; abstainer; single; disengaged; outdoors; good, clean appearance. "Energetic," 5a Union Wharf, Greenwich.

**L** OONDON.—Successful Manager; qualified; 34; disengaged. 2 Corschill Street, Streatham, S.W. 'Phone 782 Streatham.

**L** OONDON.—Wanted, early in January, Part-time situation near one of the Colleges. State salary and hours, Keys, 16 Montgomery Street, Cardiff.

**M** ANAGER; qualified; single; excellent references; thoroughly experienced; permanency desired, Midlands or Yorks; fixed salary, or salary and commission. "Pharmacist," 146 Berners Street, Leicester.

**M** ANAGER or Locum; 14 years' good all-round experience. "M.P.S.," Pendennis, Victoria Road North, Southsea.

**M** ANAGER, Assistant; permanent or otherwise; experience all class. "Chemicus," 27 Portsmouth Street, C-on-M., Manchester.

**N** ORTHERN COUNTIES. — Qualified, energetic, experienced Locum or Manager. Gray, Fernville Street, Sunderland.

**P** HARMACIST, experienced, desires part or full time post in January for a few months in good-class Dispensing business in London or Liverpool. Apply, 23/37, Office of this Paper.

**P** HARMACIST highly recommends his Junior (Chemist's son) for similar post; outdoors; aged 19; tall; good Window-dresser and Counterman; knowledge of Photography; London or Eastern Counties preferred; disengaged. 24 Kingsley Road, Norwich.

**P** HARMACIST; 23; tall; 8 years' experience, Retail, Dispensing, and Photography; Manager or Assistant; disengaged December 30. Sandbach, "The Raven," Llandudno.

**Q** UALIFIED; day, half-day, evening; permanency with easy hours. 24 Wandsworth Bridge Road, Fulham, S.W.

**Q** UALIFIED; part-time; Saturday evenings; 34; good Counterman. "Argon," 100a Bellenden Road, Peckham.

**Q** UALIFIED; middle-aged; no encumbrance; salary nominal. 21/23, Office of this Paper.

**Q** UALIFIED; disengaged soon; Manager or Senior; good class. "L.," 84 Huntley Street, W.C.

**Q** UALIFIED. Manager or Counter (25), good all-round experience, seeks a comfortable situation; London or Suburbs preferred. Trenabie, Oakleigh Park, London, N.

**Q** UALIFIED; Branch Manager or Locum; 30; high-class London and country experience; disengaged; abstainer; good references. Tavenor, 1 The Retreat, Alphington Road, Exeter.

**Q** UALIFIED; 36; Manager, Locum, permanency; thoroughly experienced. "M.P.S.," 6 Richmond Road, Southport.

**Q** UALIFIED; 27; last position Manager for two years. "W.," 17 Canonbury Lane, Highbury, N.

**Q** UALIFIED; evening and Sunday duty; tall; energetic. "Chemist," 13 Portsdown Road, W.

**Q** UALIFIED Chemist (32), first-class London experience, good knowledge of Dentistry, requires Part-time berth; mornings preferred. "B.," 273 High Street, Acton.

**Q** UALIFIED; elderly; experienced; Manage, Assist; temporary, permanency; moderate terms; London. "L.," 1a Powis Terrace, W.

**Q** UALIFIED; Manager or Locum; disengaged except last week in December; 47; reliable; excellent references; knowledge Photography; London and country experience. Dewey, Helena Avenue, Margate.

**QUALIFIED** Swiss Chemist, Analytical and Pharmacy, speaking fluent English, French, and German, seeks engagement; now in Retail; West-End experience; knowledge of Photography; student for Minor; Part-time for preference. Mr. G. B., 63 Gray's Inn Road, W.C.

**QUALIFIED**, disengaged, young, abstainer, would like situation in or near London. For particulars apply, 23/7, Office of this Paper.

**QUALIFIED**; part-time, in or near Newcastle-on-Tyne; experienced; references. 24/3, Office of this Paper.

**QUALIFIED** Manager; permanency; outdoors; London; up to date; good references. "Cortex" (24/13), Office of this Paper.

**QUALIFIED**; any capacity; wide experience; disengaged. "Chemist," 43 Coningham Road, Shepherd's Bush.

**QUALIFIED**; Manager or Locum; 38; best experience and references, including West-End and City. "W. S.," 163 Eewyn Road, Tooting, S.W.

**QUALIFIED**; disengaged; Manager or Locum; excellent Prescriber and Counterman; quick; good appearance. "Prescriber," 61 Sandrock Road, Lewisham, S.E.

**RELIEF** work; evening or day; qualified Chemist would take charge; experienced; moderate. "Counter," 61 Sandrock Road Lewisham.

**UNQUALIFIED** seeks post in any capacity; Stores, Wholesale, or Doctor; splendid references; abstainer; conscientious worker; disengaged January. Address, "Aurantii," 19 Quorn Street, Liverpool.

**UNQUALIFIED**; Assistant or Manager; 30; married; disengaged; experienced. Morris, 1 Bloomsbury Road, Ramsgate.

**UNQUALIFIED**; Senior or Branch; competent and energetic; married; 36; Prescriber, accurate Dispenser, Photography; good Salesman, up to date; not afraid of work; disengaged; good varied experience. "Rhei," 37 Alma Street, Taunton, Somerset.

**UNQUALIFIED**; Manager; reliable, energetic, life abstainer; Store and private all-round experience; good references; moderate salary. "Chemist," 1 Egerton Grove, Stretford Road, Manchester.

**UNQUALIFIED**, experienced Assistant (30), seeks good situation; disengaged. Haigh, Helmeleigh, Meltham, Huddersfield.

**UNQUALIFIED**; 23 nearly; 61 years' good all-round experience, with Dispensing; excellent references; abstainer; outdoors. W. Wray, 43 Corporation Road, Grimsby.

**UNQUALIFIED**; disengaged; age 32; Manager or Assistant; Photography, Prescribing; moderate salary. Write G. Ellis, 67 Church Street, Camberwell, London, S.E.

**UNQUALIFIED**; Assistant; 32; single; best Retail experience; Dispensing, Counter, Window-dressing, Photography. "Competent" (23/10), Office of this Paper.

**UNQUALIFIED**; 33; Branch Manager or Assistant; good salesman; energetic; 17 years' experience; immediate. 22/18, Office of this Paper.

**UNQUALIFIED**; smart Counterman and Window-dresser; married. "Hastwill" (24/1), Office of this Paper.

**UNQUALIFIED** (23) desires situation in large town; outdoors; good references; total abstainer; Midlands preferred. Apply, 24/4, Office of this Paper.

**UNQUALIFIED** Junior; 21; 5 years' good experience; disengaged shortly. 24/18, Office of this Paper.

**UNQUALIFIED**; Assistant, Dispenser, or suitable Branch; experienced and trustworthy; exceptional references; middle-aged; outdoors; country only. "Rhei," 15 Lincoln Road, South Norwood.

**UNQUALIFIED** Assistant or Manager; 43; capable and competent; London or Suburbs; outdoors. 25/8, Office of this Paper.

**UNQUALIFIED**; disengaged; Manager or otherwise; good references; married. "H. B.," 10 Mayall Road, Brixton, London.

**YOUNG** Lady (Hall certificate) requires post in Drug or Perfumery business in London; thorough experience in Dispensing and Counter. 19/3, Office of this Paper.

**HOUSEKEEPER**; Chemist's widow; middle-aged; very domesticated, economical, cheerful, and musical; now disengaged. "M. T.," 99 Crouch Hill, N.

## WHOLESALE.

Trade circulars, samples, and printed matter can in no case be forwarded.

**A GENTLEMAN** calling on Chemists from Leeds to Inverness wishes to negotiate with reputable firms respecting the introduction of their Specialities, on the basis of part expenses and commission, or, if necessary, would consider sole Representation; to commence January; advertiser has successfully introduced well-known Proprietaries, and is thoroughly reliable, as references will show. "Active" (21/35), Office of this Paper.

**ADVERTISER**, with good selling ability, desires additional Agencies of sterling value to work within 40-mile radius of Manchester. "S. C." (19/30), Office of this Paper.

**COMPRESSED** Tablets.—Four years' practical all-round knowledge Sugar and Chocolate Coating, etc.; first-class references. "Tablets," 171 Barnesbury Road, London, N.

**EXPERIENCED** qualified Chemist seeks post as Traveller; small salary, commission and expenses. "Wholesale," 61 Sandrock Road, Lewisham.

**GENTLEMAN**, with splendid experience, requires situation in Wholesale; good references. 23/30, Office of this Paper.

**JUNIOR** (20), North-country man, 5 years' Retail experience, requires situation in Wholesale with opportunity to rise. Edmondson, 110 Commercial Street, New Tredegar, Mon.

**LADY** Pharmacist, good organiser, excellent experience, seeks position with Wholesale firm (London). 27/6, Office of this Paper.

**TRAVELLER**, wide connection, open to treat with good house. 22/25, Office of this Paper.

**WET** Floor.—Good all-round hand seeks situation; town, country, or Export Counter; can take charge; 11 years' experience; London preferred. "H.," 29 Octavia Street, Battersea, S.W.

## SITUATIONS WANTED

(Colonial, Indian, and Foreign).

1s. for 12 words or less; 6d. for every 10 words beyond, prepaid. Replies addressed to this office will be forwarded to the advertiser for an additional charge of 6d.

This heading is reserved for assistants seeking situations in the British Colonies, India, and Dependencies, or elsewhere abroad.

**ASSISTANT**; Colonies preferred; unqualified; disengaged; highest credentials; all-round experience; excellent Prescriber, splendid salesman, good window-dresser. "S.," 10 Warrington Crescent, Maida Vale, W.

**CONTINENTAL**.—Qualified Englishman desires Season engagement or permanency. J. P. de Buriatte, 67 Rue du Caire, Ostend, Belgium.

**FRENCHMAN**, Manager, first-class experience in Dispensing, French and English work, window-dresser, disengaged December 15, wants Season engagement or permanency. 22/10, Office of this Paper.

**UNQUALIFIED** (23) desires post abroad; good Dispensing experience; excellent references; strict T.T. 23/19, Office of this Paper.



## MISCELLANEOUS.

**MCADAM & TUCKNISS**, Sharedealers, Bank Chambers, Blackheath, S.E. Established 1898. Telephone 81 Lee Green.

**SHARES FOR SALE** (free of commission, subject).—150 Aerators Preferred Ordinary, 19s. 3d. (dividend last year 8 per cent.); 100 Standard Tablet 6 per cent. Preference and 50 10 per cent. Ordinary, bid wanted; 55 Allenbury "B" 6 per cent., 23s. 3d.; 20 Benger's Ordinary, 36s. 3d.; 238 Camwal Ordinary, 10½d.; 200 G. B. Kent Preference, 15s. 10½d.; 5 Evans Lescher Preference, 103s.; 100 Lewis & Burrows' Preference, 11s. c.d.; 160 Pears' Ordinary, 34s. 9d.; 50 Brunner Mond, £5 1s. 9d.

**WANTED** (subject).—1,500 Baryta, please offer; 55 Wright, Layman Preference, 20s. 4½d.; 50 Virol, 31s.; 3 Camwal Debentures, 33½; 500 Homocoe Preference, 10d.; 200 A. J. White, Ltd., Preference, 8s. 1½d.

List of Shares for Sale and Wanted sent free on application. Every effort made to effect business for Buyers and Sellers in all Stocks and Shares. Bankers, London and County and Westminster.

### INCREASE YOUR BUSINESS

in my way. Unlike all others. No troublesome "system." Costs shillings, not guineas. Bromley, Chemist, Whetstone, Middlesex.

#### NOTICE.

**THE** Port of London Authority hereby give notice that the stocks of goods now stored in the Crutched Friars Warehouse will be removed to the following places, where they will be respectively stored, worked, and shown in future:—

Cigarettes and Cigarettes, Tobacco Quinine, Rhubarb, Aloes, and all others Drugs, Gum, Sponge, Vanillaes, etc., to Cutler Street Warehouse.

Balata to the London Dock.

Shells and Tortoiseshell to St. Katherine Dock.

Owners of any of the goods referred to are invited to have their Fire Insurance Policies endorsed to cover the risk at the places mentioned.

By Order.

R. PHILIPSON, General Manager.

109 Leadenhall Street, December 5, 1912.

### SHOPS ACT, 1912.

Shop Inspectors are looking sharply at Chemists' shops. Medicines and Medical and Surgical Appliances may be sold during closed hours if the statutory notice is exhibited. Two cards are necessary, and will be sent post free on receipt of eight penny stamps, The Publisher, THE CHEMIST AND DRUGGIST, 42 Cannon Street, London, E.C.

**CHEMISTS' SHOPFITTINGS** (second hand).—Ranges Mahogany Drawers, Bevelled Edged, Glass Labels, Cut-glass Knobs, Shelving, Lockers; Mahogany Dispensing-screens; Glass-fronted Counters; Piano-fronted Wall-case, Mirror Centre; Bent Front Counter-cases; Desks; complete Shop-rounds, Window Backs, Glass Shelves, etc.; extensive stock; give-away prices; high-class Fittings, bang up to date; Estimates. D. MATTHEWS & SON, 14 & 16 Manchester Street, Liverpool.

**CHEMISTS' Shopfittings**.—Window Enclosures, Showcases, Silent Salesman, Dispensing Screens, Wall-cases, Perfume-cases, Glass-front Serving Counters, Drug Drawers, Counter Drawers, second-hand, shop-soiled, at unbeaten prices; you can't do better; 30 years fitting Pharmacies. Send for free estimate. George Cook, The Working Shopfitter, 30 Buttesland Street, East Road (near Old Street Tube Station).

### SHOWCARDS that WILL SELL the GOODS.

We can DOUBLE your SALES by providing ARTISTIC SHOWCARDS, POSTERS, &c., at prices consistent with First-class Workmanship.

We have an experienced Chemists' Advertising Expert and Window Specialist at your service. Advice and Sales-creating Copy without extra charge. Send a label or particulars to-day.

PROMPT ATTENTION GIVEN TO ALL INQUIRIES.

SPARVELL & SON, Chemists' Showcard Specialists, 43 Dorset Street, Baker Street, London, W.

**MCQUEEN'S** System of Accounts for Chemists; works out gross and net profits, balance sheet, and income-tax return with guaranteed certainty; a work well known and considered indispensable by progressive Chemists (Tenth and improved Edition). Full particulars and testimonials, post free, McQueen & Co., Moat Road, E. Leicester.

**CHEMISTS' SHOPFITTINGS**, very cheap.—12-ft. Mahogany and Plate-glass Serving Counter, £9; 6-ft. very handsome Dispensing-screen, Mirror Centre, and Sponge-case under, £13 10s.; 2 5-ft. Mahogany and Glass Wall-cases, £7 each; 6-ft. bent Plate-glass Counter-case, 90s.; Perfume-case and Desk, 55s.; quantity of other Fittings, Recess Bottles, Jars, etc. PHILIP JOSEPHS, 93 Old Street, Goswell Road, London, E.C.

### "IS IT LIABLE TO MEDICINE STAMP DUTY"?

This question is easy to answer if you have at your desk one of the new C. & D. chart-cards showing grounds of liability and exemption. Sent post free for four penny stamps. The Publisher, THE CHEMIST AND DRUGGIST, 42 Cannon Street, London, E.C.

**A** N Exceptional Opportunity.—For Sale, a remarkable and proved Cure for Rheumatism, Lumbago, etc.; the extremely valuable Recipe, together with a quantity of Stock, etc., for Sale. Full details of 26/20, Office of this Paper.

**FOR** Disposal, the Sole Rights of the word "Nitene" as applied to a Head Soap and Head Ointment; splendid opportunity for the right man or firm doing a Sundry trade with Chemists. For price and further particulars apply to Messrs. Brett & Co., Chemists' Valuers, 73 Laurel Road, Leicester.

**PRINTING FOR CHEMISTS**.—Labels, Wrappers, Lists, Folders, Handbills, Stationery; first-class up-to-date work at very low prices; it costs you nothing to see samples and get quotations; Handbills from 10,000 10s. 9d.; Prescription-envelopes, 1,000 4s. 3d.; Billheads, Memos., Cards, 1,000 3s. 9d.; all carriage paid; established 1895. Walter Knight (C.), Printer, Rushden, Norths.

**SECOND-HAND CHEMISTS' FITTINGS**.—We have an exceptionally fine selection of these in all sizes; prices are right and goods are in first-class condition; we shall be pleased to supply particulars and prices. Call or write, RUDDUCK & CO., 262 Old Street, E.C.

### Dose Tables for Students of Pharmacy.

**A** TWENTY-FOUR page booklet showing the adult doses in ordinary cases of the principal medicinal agents, with metric equivalents for dispensing and a complete table of atomic weights, comprising the B.P. figures, and the International Committee's latest pronouncements (O=16 and H=1). The booklet measures 4 in. by 2½ in., and can be carried in the vest-pocket. To be obtained from THE CHEMIST AND DRUGGIST, 42 Cannon Street, London, E.C., for THREE PENNY STAMPS PER COPY.

**POISONS SCHEDULE**, reprinted from THE CHEMIST AND DRUGGIST, with a supplementary list of admixtures, preparations, and other articles brought within the Schedule. On a card (Schedule in front, list at the back) to hang up; price 4d., post free, from THE CHEMIST AND DRUGGIST, 42 Cannon Street, London, E.C.

### The Chemists' (Approved) Friendly Society.

Recruits to the Drug trade should become Members of the Trade Society. It is the largest organisation of Assistants in the United Kingdom. Members acting as Recruiting Officers are benefiting themselves and the recruits they enlist. All Insurance books now completed and returned to the Members.

William McCallum, Manager, C.F.S., 194 St. Vincent Street, Glasgow.

### REMARKABLE BOOM IN TRADE!

*Vide Daily Press*—All large firms are entering on an extensive advertising campaign. Why not participate in this boom now? Let me help you to make this a record Xmas. Will send up-to-date Xmas scheme with window shows, and follow up displays for the New Year, including a copy of my December letter to my clients for 5/-. Write for it at once. Pharmacists only supplied. Booklet explaining my methods post free.

BILLYARD ALLISON, Pharmacist & Business Specialist, RETFORD.

### TWO ADVTs. IN C. & D. DIARY

Will be found on pages 104 and 493. When it arrives look for them. Don't wait till you get that however but send for my free booklet, "How I Increase Chemists' Businesses." Insurance expert and six chemists on literary staff. Eight men's brains to help you.

BERNARD SLACK, 9 King Street, WOLVERHAMPTON.



## EXCHANGE COLUMN

One halfpenny per word with name and address. One penny per word if we register the address and attach a number.

No advertisement inserted for less than 6d.

### FOR DISPOSAL.

#### BOOKS AND PERIODICALS.

"PHARMACOPEDIA" (White & Humphrey), 5s.; Southall's "Materia Medica," 3s. 6d.; Shenstone's "Inorganic Chemistry," 2s.; list of others, also Prelim. books, free. KENDRICK, High Street, Shanklin.

#### DRUGS AND CHEMICALS.

THREE 10-lb. coppers oil of lemon, B.P., for sale; what offers? "LEMON," 9 Canonbury Square, London, N.

#### SHOP FITTINGS.

SIX ruby outside lamps, electric, copper tops, 18 in. by 9 in.; 15s. each, or offer. DUNN, Chemist, 223 Lower Road, Rotherhithe, S.E.

#### MISCELLANEOUS.

RESPIRATORS, 8 1s., 6 2s. 6d., 5 3s. 6d., 6 4s.; half cost or exchange. 63 Bury New Road, Bolton.

MITCHAM oil of lavender, 2 or 3 Winchesters, offers per lb.; show carboys, 2 10-gal., cut stoppers, with or without liquids red and blue. Offers, BODGER, Peterborough.

FOR sale, large double-door thief-proof safe by Withers, size 32 by 33 by 26; price £6. Apply, R. VARGHAN, 25 Reservoir Street, Leeds.

OPTICAL trial case, 170 lenses, Raphael's, new condition, cost £4 10s.; suppository mould, 6 hole; glass percolator. "SUNDRIES," 153 Borough High Street, S.E.

OVERSTOCKED.—Screw caustic points, 3 doz. for 5s. 6d., ordinary ditto 3 doz. for 3s. 6d.; wart pencils, 1 doz., 1s. 6d.; court plaster, skin colour, 5 by 8 cm., in pockets; 100 for 2s. 9d. Send P.O., MATZ, Chemist, 5 Bury New Road, Manchester.

### WANTED.

TWO DRAM pessary mould for 6, in good condition. ASHFIELD, Shanklin.

WANTED, a good second-hand optical trial case. Apply, ROBERTS, 174 Victoria Street, S.W.

CHEMIST desires to purchase handsome dispensing-screen, 6 to 8 ft. in length; also complete set of shop-rounds. 21/250, Office of this Paper.

PESSARY moulds wanted, various sizes and holes; must be in perfect condition. State lowest prices, "SLEG," 289 Regent Street, London, W.

GLASS-FRONTED counter, 9 ft., recess-labelled bottles. COATES, Chemist, Tooting, S.W.

WANTED, plate-glass shelves for window. Send particulars to DAVISON & PATTEN, Chemists, Alnwick.

OPTICAL books; Minor, Major, Chemists' books; send prepaid for valuation; cash offers per return. GOWER, Bookseller, Waterloo, Liverpool.

## Medical Benefit Regulations.

The Insurance Commissioners issued on Thursday evening revised Regulations. Provisional Regulations were printed in the *C. & D.*, October 5, index folio 511. We print those Regulations which deal with the

#### PROVISION OF DRUGS AND APPLIANCES

so far as they have been altered, and ask our readers to refer to our issue of October 5 for the terms of the unaltered Regulations. (The alterations are in italics.)

**PRESCRIBED APPLIANCES.**—27. The medical and surgical appliances to be provided as part of medical benefit shall be the appliances mentioned in the Second Schedule to these Regulations.

**PRICES OF DRUGS AND APPLIANCES.**—28.—(1) With a view to making arrangements for the supply of drugs and appliances the Committee shall (a) prepare a list of the prices upon which the sums to be paid for the drugs ordinarily supplied and for the prescribed appliances are to be calculated (in these Regulations referred to as the drug tariff); and (b) determine the conditions upon which it is proposed to invite chemists and other persons, firms, or bodies corporate (all of whom are in these Regulations included in the expression "chemists or other persons") to undertake the supply of drugs or appliances or both.

(2) The Committee shall embody the drug tariff and the conditions and method in which payment for drugs not included in the drug tariff is to be calculated in draft agreements which shall include the terms and conditions specified in the Third Schedule to these Regulations, with the necessary modifications in the case of a person undertaking to supply drugs or appliances only, or not entitled to dispense medicines, and with such other modifications as the Committee may, subject to the approval of the Commissioners, think fit.

**CONDITIONS OF DISPENSING MEDICINES.**—29. The Committee shall determine the form and manner in which notice is to be given to chemists and other persons desiring to supply drugs or appliances or both, and the form in which any such chemist or other person may intimate his acceptance of those terms and conditions (*other than a medical practitioner with an arrangement for the supply of drugs and appliances has been made by the Committee in accordance with the Regulations*), and that notice shall state that no person shall be entitled to dispense medicines for insured persons under the arrangements made with chemists and other persons by the Committee other than a chemist who undertakes that all medicines supplied by him to insured persons under the arrangements made by the Committee shall be dispensed either by or under the direct supervision of a registered pharmacist or by a person who, for three years immediately prior to December 16, 1911, has acted as a dispenser to a practitioner or a public institution.

30.—(1) Where an insured person is resident in a rural area at a distance of more than one mile from the place of business of a chemist who is on the list, or where the Committee are satisfied that an insured person by reason of distance or inadequacy of means of communication will have difficulty in obtaining any necessary drugs or appliances from a chemist or other person on the list of the Committee may, and shall, if the practitioners so desire, make arrangements for the supply to that person by the practitioner attending him of such drugs or appliances as would otherwise under these Regulations have been supplied by a chemist or other person on the list, and any question arising under this Regulation shall be referred to the Commissioners, whose decision shall be final.

(2) The Committee may make arrangements for the supply by practitioners on the panel of all or any of the following:

(a) Drugs which are necessarily or ordinarily administered by a practitioner in person; and

(b) Drugs and appliances required for immediate administration or application or required for use before a supply can conveniently be obtained otherwise under these Regulations.



SUBMISSION OF ARRANGEMENTS.—31. Same as No. 36 of October 5.

NOTICE TO PERSONS DESIROUS OF UNDERTAKING SUPPLY.—32. Same as No. 37 of October 5.

LIST OF PERSONS UNDERTAKING SUPPLY.—33. (1) Same as 38 (1) of October 5.

(2) The list shall *subject as provided in these Regulations* have effect for the year for which it is prepared.

(3) and (4) Same as October 5.

RIGHT OF INSURED PERSONS TO OBTAIN DRUGS AND APPLIANCES.—34. (1) Same as No. 39 (1) of October 5.

(2) An insured person shall not be entitled to obtain any appliance from a chemist or other person on the list if the Committee have made provision for lending that appliance *and have given notice to the practitioners on the panel and the chemists and other persons on the list that the appliance is obtainable from the Committee.* [Note by Editor: This is a combination of 2 and 3 of October 5.]

REVISION OF PRICES OF DRUGS AND APPLIANCES.—35.

(1) The Committee shall not later than two months before the date of revision in every year, after consultation with the Local Medical Committee, submit for the approval of the Commissioners a statement of any alterations which the Committee may desire to make in the *drug tariff* and where the Commissioners have prescribed any further appliances of the prices which the Committee are prepared to pay for those appliances.

(2) and (3) same as No. 40 (2) of October 5.

RIGHT TO DISCONTINUE SUPPLY.—36. Same as No. 40 of October 5.

INCLUSION IN REVISED LIST.—37. Same as No. 42 of October 5, but in two paragraphs.

INCLUSION DURING YEAR.—38. Same as No. 43 in October 5, "year" replacing "currency of list."

#### MORE DRUG PROVISIONS.

The following are other provisions from the Financial Section dealing with drugs supply:

DRUG FUND.—43. (1) All moneys in the hands of the Committee for the purpose of defraying the cost of drugs and appliances supplied to persons on panel-lists (including any Parliamentary grant or portion of a Parliamentary grant paid to the Committee in respect of those persons for that purpose) shall be paid into, and all payments to chemists and other persons supplying drugs or appliances in respect of that supply shall be made out of, a fund to be established by the Committee (in these Regulations referred to as the "Drug Fund"), and there shall be paid out of that fund to each chemist or other person supplying drugs or appliances an amount calculated in accordance with these Regulations.

(2) The Committee shall credit to each chemist or other person supplying drugs or appliances in respect of that supply a sum calculated in accordance with the Drug Tariff, or in the case of drugs not included in that tariff, an amount calculated in accordance with the method adopted by the Committee for the purpose, and shall pay to each person an amount bearing the same proportion to the sum credited to him as the amount in the Drug Fund bears to the aggregate amounts so credited to all those persons.

ACCOUNTS OF DRUGS TO BE RENDERED QUARTERLY.—44. (1) Every chemist or other person on the list shall furnish to the Committee on dates to be appointed by the Commissioners quarterly accounts in a form provided by the Committee, containing particulars of drugs and appliances supplied by him to insured persons.

(2) As soon as may be after the receipt of an account the Committee shall pay to the chemist or other person furnishing the account such sum as may be agreed between the Committee and any Committee representative of chemists and other persons undertaking the supply of drugs and appliances (in these Regulations referred to as "the Pharmaceutical Committee") in advance of the amount due to him, and shall pay the balance of the amount so due as soon as may be after the expiration of the year, but before payment of the balance the Committee shall submit all accounts to the Pharmaceutical

Committee, which shall have power to reduce or disallow any item of any account submitted to them.

ALLOCATION OF FUNDS.—45. For the purpose of determining the amounts in the hands of the Committee which are contributed to the Panel Fund and to the Drug Fund respectively the following provisions shall apply:

(1) The Committee shall ascertain the amount available for the medical benefit of persons on panel-lists including in that amount any Parliamentary grant or portion of a Parliamentary grant paid or to be paid to them for that purpose and shall carry the sum so ascertained, as to thirteen-seventenths thereof to the credit of the Panel Fund; as to three-seventenths thereof to the credit of the Drug Fund; and as to one-seventeenth thereof to the credit of the fund to be called "The Drug Suspense Fund" and to be dealt with as hereinafter in these Regulations provided.

(2) If and in so far as in any year the amount to the credit of the Drug Fund is less than the aggregate amounts credited to chemists and other persons supplying drugs and appliances the excess amount required shall, so far as that excess is not met from moneys provided by Parliament or from any other source, be paid out of the Drug Suspense Fund to the credit of the Drug Fund and shall be applied accordingly.

(3) If in any year the amount to the credit of the Drug Fund exceeds the aggregate amounts so credited to chemists and other persons that excess shall be carried forward to the credit of the Drug Fund in the succeeding year.

(4) Any sum remaining to the credit of the Drug Suspense Fund at the close of any year shall be treated as moneys in the hands of the Committee for the purpose of the treatment of persons on panel-lists for that year and carried accordingly to the credit of the Panel Fund for that year.

EXCESSIVE ORDERING OF DRUGS.—46. (1) Where it appears to the Local Medical Committee that the drugs or appliances ordered for insured persons by any practitioner or practitioners on the panel are by reason of their character or of the amount so ordered such as to be in excess of what may reasonably be required for the adequate treatment of those persons, the Local Medical Committee may, and if any representations to that effect are made to them by the Pharmaceutical Committee, shall, make an investigation into the circumstances of the case, whether in respect of the drugs and appliances ordered by an individual practitioner or generally as to the orders given for drugs and appliances by practitioners in the county.

(2) The Local Medical Committee shall, after hearing the Pharmaceutical Committee and any practitioner concerned, make a report to the Committee, and if, after considering the report, the Committee are of opinion that an excessive demand upon the Drug Fund has arisen owing to orders given by a practitioner which are extravagant either in character or in quantity they may, if they think fit, make such deduction from the amount payable to that practitioner out of the Panel Fund as is appropriate in the circumstances and shall make such adjustments as are necessary accordingly between the Panel Fund and the Drug Fund.

CAPITATION FEE FOR SUPPLY OF DRUGS BY PRACTITIONER.

—47. Where the Committee have adopted a capitation system of payment of practitioners and have made arrangements with a practitioner for the supply by him of all drugs and prescribed appliances requisite for the treatment of an insured person the Committee may instead of paying the price of drugs and appliances actually supplied pay to the practitioner as a capitation fee a sum, payable out of the Drug Fund, representing three-seventenths of the amount available for the medical benefit of that person together with any sum which may be payable in that year from the Drug Suspense Fund to the Drug Fund in respect of each person on a panel-list.

INQUIRY AS TO PERSONS SUPPLYING DRUGS OR APPLIANCES.—56. (1) If any representations are made to the Commissioners by a Committee or a Local Medical Committee that the inclusion or continuance on the list of a chemist or other person will be prejudicial to the efficiency



of the service in the County, the Commissioners shall, and if any similar representations are made by any other body or any person may, if they think fit, hold an inquiry in the manner hereinafter provided.

(2) For the purpose of each inquiry held in accordance with the provisions of this Regulation the Commissioners shall constitute a committee which shall be composed of two persons, who (if any panel has been set up by the Joint Committee for that purpose) shall be chosen from that panel, and of a barrister-at-law or solicitor in actual practice.

(3) The procedure, powers and duties of the Committee shall be similar to those of the Inquiry Committee.

#### *The Third Schedule.*

#### CONDITIONS OF AGREEMENT FOR SUPPLY OF DRUGS AND APPLIANCES BY CHEMIST.

1. *The National Insurance Act, 1911, and the Regulations made by the Commissioners and in force for the time being in the County are incorporated with and form part of these conditions, and this agreement shall cease to have effect in the event of the Commissioners exercising any of the powers conferred on them by the proviso (1) to sub-section (5) of Section 15 of the Act or suspending medical benefit and in the event of conflict between this agreement and the Regulations the latter should prevail.*

2. As No. 1 of October 5.

3. As No. 2 of October 5.

4. All drugs and appliances shall be of good quality, and shall be supplied at a price covering the cost of retailing and dispensing, and calculated by reference to the prices specified for the purpose, and in the case of substances to which Section 5 of the Poisons and Pharmacy Act, 1908, or the regulations made under Section 1 of the Pharmacy Act, 1868, relate, the provision of proper bottles and other vessels, and any drug, the price of which is not so specified, shall be supplied by the chemist at a price to be agreed with the Committee or in default of agreement to be determined by the Commissioners.

5. Same as No. 4 of October 5.

6. Same as No. 5 of October 5.

No. 6 of October 5 is deleted. It referred to the conditions of undertaking supply of drugs, etc.

#### FIRST QUARTER'S ARRANGEMENT.

The text of the circular mentioned on p. 51 is as follows :

1. In order to obtain Medical Benefit you will need a Medical Ticket. If you do not receive one with this leaflet apply at once to your Society or Branch. The ticket must bear your name and address, the name of your Society and Branch, and your number in the Society or Branch. The Medical Ticket should be carefully kept, and is only valid until April 30, 1913.

2. You can obtain information as to how to get Medical Benefit by consulting the Notice which will be exhibited in the Post Office nearest to your address, or by applying to the Local Officer of Customs and Excise, whose address can be found by inquiry at your nearest Post Office.

3. If you apply for treatment to any Doctor mentioned in the Notice, you must at the same time show your Medical Ticket.

## WILLS PROVEN.

MR. EDWARD MADDOCKS FOSTER, 39 Florence Road, Brighton, chemist and druggist, who died on September 29, left estate of the gross value of 10,556*l.* 14*s.* 3*d.*, of which 5,624*l.* 12*s.* 5*d.* is net personalty.

PROFESSOR HUMPHREY OWEN JONES, M.A., D.Sc., F.R.S., of Clare College, Cambridge, who died with his wife while mountain climbing in Switzerland on August 15, left estate valued at 4,005*l.* 12*s.* 8*d.* gross, with net personalty 3,707*l.* 3*s.* 4*d.* He named as sole executrix and residuary legatee his wife, Mrs. Muriel Gwendolen Jones, who died on the same day, and the grant states, "There is no evidence to show which of the two was the survivor." He left no children, and consequently letters of administration, with the will annexed, of his property have been granted to his father, Mr. Griffith Humphrey Jones, as next-of-kin.

## Four Decades.

IN connection with the Westminster College of Chemistry, Pharmacy, and Botany, 402 Clapham Road, London, S.W., a students' dinner and prize distribution took place at the Holborn Restaurant on November 28. The occasion was also the fortieth anniversary of the establishment of "Wills's Universal Postal System" of instruction in subjects required for the Pharmaceutical examinations. The Principal and founder of the College (Mr. George S. V. Wills) was in the chair, with his wife and daughters supporting him, and there was a good attendance of past and present students and visitors. After dinner and the toast of "The King," Mr. Albert Howell, Secretary of the Association of Certificated Dispensers, proposed the toast of "Wills's Universal Postal System," and expressed a hope that the founder would be present at the jubilee of the system in ten years' time. Mr. Wills, in rising to reply, was loudly cheered. He recalled the origin of the postal system. We reserve the rest for next week.

## COMING EVENTS.

This section of the "C. & D." is reserved for advance notices of meetings or other events. These should be sent to the Editor by Wednesday of the week before the meetings, etc., occur.

#### Tuesday, December 10.

*Pharmaceutical Society of Great Britain*, 17 Bloomsbury Square, London, W.C., at 8 p.m. Dr. Owen T. Williams on "Cod-liver Oil," illustrated by lantern-slides. Mr. W. Harrison Martindale, Ph.D., on "Digitalis Assay." *Oldham Pharmaceutical Association*, Café Monico, at 7.30 p.m. Whist-drive.

#### Wednesday, December 11.

*Royal Society of Arts*, John Street, Adelphi, London, W.C., at 8 p.m. Dr. F. W. Mollwo Perkin on "Natural and Synthetic Rubber." *Western Chemists' Association*, Restaurant Frascati, Oxford Street, London, W., at 9 p.m. Dr. S. H. Browning on "Bacteriology." *Federation of West Riding Chemists' Association*, Grand Central Hotel, Leeds. Meeting of chemists within the district of the West Riding County Council to consider Insurance matters. The meeting will take place on the termination of the afternoon meeting of the Pharmaceutical Society.

*Newcastle-on-Tyne Pharmacists' Association*, Grand Hotel, Barras Bridge, at 7.30 p.m. Annual dinner. Tickets (4*s.* 6*d.* each) from Mr. W. Pescod, 60 Osborne Avenue.

*Nottingham Pharmaceutical Association*, Victoria Station Hotel, at 9 p.m. Mr. E. S. Waring will open a discussion on the National Insurance Act.

*Sheffield Pharmaceutical and Chemical Society*, Literary and Philosophical Society's Rooms, Church Street, at 9 p.m. Dr. J. Clarke on "First-aid Work."

#### Thursday, December 12.

*Chemists' Assistants' Association*, Throne Room, Holborn Restaurant, London, W.C., at 7.30 p.m. Cinderella dance. Tickets (single 5*s.* 6*d.* and double 10*s.*, including supper in the Grand Salon) can be obtained from any of the stewards, or from Messrs. A. Haigh and F. Naylor, The Dispensary, St. Bartholomew's Hospital, London, E.C.

*North London Pharmacists' Association*, Northampton House, St. Paul's Road, Highbury Station, N., at 3.30 p.m. Mr. Hugo Wolff on "Rexall Methods." This will be followed by a discussion on "The Dispensing Tariff" if ready.

*South-Eastern of London Pharmacists' Association*, Amer-sham Hall, near New Cross Station (S.E. & C. Railway), at 3 p.m. Mr. E. T. Neathercoat on "The National Insurance Act as it Affects Pharmaceutical Interests."

*West Ham Association of Pharmacists*, Earlam Hall, Earlam Grove, Forest Gate, London, E., at 8 p.m. Smoking-concert, open to non-members.

THE SOUTH OF ENGLAND COLLEGE OF PHARMACY DINNER will be held in the Venetian Chamber of the Holborn Restaurant on January 8, 1913. Mr. John C. Umney, F.C.S., President of the British Pharmaceutical Conference, has promised to take the chair.



# May, Roberts' Traveller.

To obtain Best Profits and Quickest Delivery of Christmas Lines purchase them through May, Roberts' Catalogue.

**NOW IS THE TIME TO DISPLAY  
PERFUMES, DRESSING-CASES MANICURE SETS, HAIR BRUSHES, &c.**

Christmas is getting very near, and already Christmas shoppers are looking into chemists' windows and upon chemists' counters for suggestions of gifts.

The chemist who will reap the biggest profit from this Christmas feeling of customers is the one who displays most profusely those lines which are in greatest demand at this time.

But be sure to obtain these lines at the place where you get the best terms and the best service. That place is May, Roberts.

If you have **May, Roberts' Catalogue** handy make your selection from it at once and send it along. Your order will be filled promptly, and unless it is very small there will be no charge for packing or carriage.



**DON'T MISS THE OPPORTUNITY TO DISPLAY THESE XMAS LINES!**

Perfumes, Dressing-cases, Manicure Sets, Hair Brushes, etc., are just the things which the Public now wants. But the public usually buys these things where they are seen. The shop with a fair display will sell many more of these gifts than the shop which does not have them on display. A word to the wise is sufficient, and no time should be lost in making **your** effort to capture a good share of the Christmas trade.

If you have not got the Catalogue handy drop a postal card for it now and you will receive it by return. Whether you order or not you should have this catalogue because then you can obtain without delay anything a customer asks for in the following lines:—

**Patent Medicines  
Perfumery  
Surgical Instruments  
Packed Drugs**

**Proprietary Articles  
Mineral Waters  
Glass Bottles  
Toilet Specialities, etc.**

**MAY, ROBERTS & CO., Limited,** LONDON: 7, 9, & 11 CLERKENWELL ROAD.  
DUBLIN: 16 WESTMORELAND STREET.



# THE SCARCITY OF SANDALWOOD

"English drawers refuse to make a price except for limited quantities and the principal dealers were eager buyers," see *C. & D. Nov. 30*.  
The price of Sandalwood Oil has advanced over 60 per cent. and has necessitated the following revised prices.

**OUR SANDALWOOD OIL** is distilled and guaranteed by Messrs. Wright, Layman & Umney, Ltd.

In Flat Lacquered Round Cornered Hinged Tins with Black, White and Gold Labels, or Round, White Enamelled Tins with Black and White Labels.	Per Dozen Tins each containing 24.	Per Dozen Tins each containing 36.	Per 100.	Per 1000.
<b>149 San-Burol, m. 10</b> Santal, Salol, Buchu, OI. Copaiba, Wintergreen ...	s. d. 10 6	s. d. 15 0	s. d. 3 9	s. d. 30 0
<b>121 Santal Oil, m. 5.</b> (English guaranteed) ...	7 9	10 10	2 6	20 0
<b>122 Santal Oil, m. 8 (10 drops)</b> (English guaranteed) ...	10 0	14 3	3 6	28 0
<b>123 Santal Oil, m. 10</b> (English guaranteed) ...	11 6	16 4	4 0	33 0
<b>134 Santal Oil Perlee</b> ...	7 9	10 10	2 6	10 0
<b>125 Santal Oil with Bals. Copaiba,</b> 10 m. ...	8 4	11 9	2 9	22 0
<b>136 Santal with Buchu and Cubebs,</b> 10 min. ...	11 9	17 0	4 3	34 0
<b>127 Santal with Buchu, Cubebs,</b> and Copaiba, 10 min. ...	7 9	10 10	2 6	20 0
<b>128 Santal with Cubebs, 10 min.</b> ...	11 6	15 3	4 0	33 0
<b>129 Santal with Cubebs, 5 min.</b> ...	7 9	10 10	2 6	20 0
<b>130 Santal with Cubebs, Copaiba,</b> 10 min. ...	8 3	11 9	2 9	22 0
<b>131 Santal with Cubebs, Copaiba,</b> Iron, 10 min. ...	7 9	10 10	2 6	20 0
<b>132 Santal, Cubebs, Salol, 10 min.</b> ...	10 6	15 0	3 9	30 0
<b>133 Santal, Matico, Cubebs, Bals.</b> Copaiba, 10 min. ...	9 3	13 0	3 0	24 0
<b>134 Santal and Salol, 10 min.</b> ...	10 6	15 0	3 9	30 0
<b>135 Santal, Salol and Cinnamon,</b> 10 min. ...	10 6	15 0	3 9	30 0
<b>111 Niebet's Specific, m. 10</b> (= $\frac{1}{2}$ drm. Specific) ...	11 3	16 0	4 0	32 0
<b>112 Niebet's Specific, m. 7<math>\frac{1}{2}</math></b> ...	9 6	13 6	3 3	26 0
<b>113 Niebet's Specific, m. 5</b> ...	7 9	10 9	2 6	20 0



QUININE is 60 per cent. dearer  
:: :: than eight months ago. :: ::

*Revised prices for Capsules contain-  
ing these ingredients on application.*

ERGOTIN is now 32/- as against  
the normal price of 10/- per lb.

APIOL is now 40/- as against  
the normal price of 12/- per lb.

## The Standard Tablet & Pill Co.

HOVE, ENG. LIMITED

## BOURNVILLE COCOA

"HIGHEST GRADE  
BRITISH MADE  
BY TEST THE BEST"



## PATTINSON'S MAGNESIA,

CARBONATE, CALCINED AND FLUID.

THE WASHINGTON CHEMICAL CO., LIM., WASHINGTON, COUNTY DURHAM, ENGLAND.

London Agents—Messrs. CLIFFORD CHRISTOPHERSON & CO., 21 Mincing Lane, London, E.C.





